

MARKET RESEARCH REPORT

Product: 711021 - Metals; palladium, unwrought or in powder form

Country: USA

Special type of report considering USA announcement of new tariffs of 2nd April 2025

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CONTENTS OF THE REPORT

Scope of the Market Research	4
1. Executive Summary	5
Estimation of Weighted Average Tariff	6
2. Global Market Trends	8
Global Market: Summary	9
Global Market: Long-term Trends	10
Markets Contributing to Global Demand	12
3. Country Market Trends	13
Product Market Snapshot	14
Long-term Country Trends: Imports Values	15
Long-term Country Trends: Imports Volumes	16
Long-term Country Trends: Proxy Prices	17
Short-term Trends: Imports Values	18
Short-term Trends: Imports Volumes	20
Short-term Trends: Proxy Prices	22
4. Country Competition Landscape	24
Competition Landscape: Value Terms	25
Competition Landscape: Volume Terms	26
Competition Landscape: Contributors to Growth	27
Competition Landscape: Top Competitors	28
List of Abbreviations and Terms Used	30
Methodology	35
Contacts & Feedback	40

SCOPE OF THE MARKET RESEARCH

Selected Product	Palladium unwrought or in powder form
Product HS Code	711021
Detailed Product Description	711021 - Metals; palladium, unwrought or in powder form
Selected Country	USA
Period Analyzed	Jan 2019 - May 2025

1

EXECUTIVE SUMMARY

ESTIMATION OF WEIGHTED AVERAGE TARIFF ON THE PRODUCT IMPORTED TO USA BASED ON GEO OF IMPORTS

This section presents an estimation of additional tariff burden on the imports of the analyzed product based on the tariffs announced by a number of Executive Orders of the President of the United States issued from February to April 2025. The table provides detailed information on imports of "Palladium unwrought or in powder form" to the USA for the LTM period (06.2024 - 05.2025), along with an estimation of the additional tariff burden on the imports potentially arising as a result of implementation of the mentioned regulations. The methodology used for the estimation is outlined on the following page of this report.

Table 1. Country's Imports by Trade Partners in LTM, US\$. Calculation of Potential Additional Tariff Burden

Trade Partner	Imports to the USA (06.2024 - 05.2025), US \$)	Trade Partner's Share in Total Imports to the USA (06.2024 - 05.2025), %	Country Specific Additional Ad Valorem Duty in acc. with Executive Order from April 2, 2025 or Executive Orders from February 1, 2025	Country Specific Additional Ad Valorem Duty in acc. with the decision to "pause" reciprocal tariffs for some nations (as of April 9, 2025)	Product Specific Exemption from Application of Additional Ad Valorem Duty in acc. with Executive Order from April 2, 2025 or Executive Orders from February 1, 2025 or Product Specific Ad Valorem Duty in acc. with the Executive Orders from February 10, 2025, February 11, 2025, and March 26, 2025	Additional Ad Valorem Duty Applied in Estimation
Russian Federation	1,014,381,594	45.520%	-	-	0.0%	0.0%
South Africa	872,203,693	39.140%	30.0%	10.0%	0.0%	0.0%
Belgium	100,714,714	4.520%	20.0%	10.0%	0.0%	0.0%
Rep. of Korea	95,348,024	4.279%	25.0%	10.0%	0.0%	0.0%
Germany	66,722,556	2.994%	20.0%	10.0%	0.0%	0.0%
Switzerland	28,629,375	1.285%	31.0%	10.0%	0.0%	0.0%
Italy	26,002,522	1.167%	20.0%	10.0%	0.0%	0.0%
Japan	22,174,436	0.995%	24.0%	10.0%	0.0%	0.0%
United Kingdom	1,684,581	0.076%	10.0%	10.0%	0.0%	0.0%
Canada	562,592	0.025%	25.0%	0.0%	0.0%	0.0%
Türkiye	9,437	0.000%	10.0%	10.0%	0.0%	0.0%
Total Imports	2,228,433,524	100.000%				
Weighted Average Additional Tariff Burden						0.0%

ESTIMATION OF WEIGHTED AVERAGE TARIFF ON THE PRODUCT IMPORTED TO USA BASED ON GEO OF IMPORTS

This section presents the methodology and an important disclaimer in relation to the estimation of additional tariff burden on the imports of the analyzed product based on the tariffs announced by a number of Executive Orders of the President of the United States issued from February to April 2025.

Approach to Estimation & Disclaimer:

1. The estimation of potential additional tariff burdens on international trade flows with the United States, as presented in the table on the preceding page, is based on GTAIC's interpretation of the following legislative acts issued by the U.S. Government:
 - Executive Order of the President of the United States, Donald J. Trump, dated April 2, 2025, titled "Regulating Imports with a Reciprocal Tariff to Rectify Trade Practices that Contribute to Large and Persistent Annual United States Goods Trade Deficits."
 - Executive Order of the President of the United States, Donald J. Trump, dated February 1, 2025, titled "Imposing Duties to Address the Flow of Illicit Drugs Across Our Northern Border."
 - Executive Order of the President of the United States, Donald J. Trump, dated February 1, 2025, titled "Imposing Duties to Address the Situation at Our Southern Border."
 - Executive Order of the President of the United States, Donald J. Trump, dated February 10, 2025, titled "Adjusting Imports of Steel into the United States".
 - Executive Order of the President of the United States, Donald J. Trump, dated February 11, 2025, titled "Adjusting Imports of Aluminum into the United States".
 - Executive Order of the President of the United States, Donald J. Trump, dated March 26, 2025, titled "Adjusting Imports of Automobiles and Automobile Parts into the United States."
 - Executive Order of the President of the United States, Donald J. Trump, dated March 3, 2025, titled "Further Amendment to Duties Addressing the Synthetic Opioid Supply Chain in the People's Republic of China."
2. The decision of the US President to "pause" reciprocal tariffs for "non-retaliating countries" for 90 days, and the decision to apply 125% tariff on the imports from China, which were announced on 9 April, 2025, are also considered in the estimation.
3. The weighted average additional tariff burden, calculated in the table, is derived based on the import values from top-20 Trade Partners supplying the product analyzed to the USA in the LTM period, incorporating the applicable country specific tariff set by the aforementioned regulations. In case if any exemptions have been set for specific product, or otherwise, product specific additional ad valorem duties have been set by the aforementioned regulations, these product specific tariffs have been applied instead of country specific tariffs.
4. A 0% tariff rate is applied to goods imported from Canada and Mexico, provided they meet the requirements of the USMCA trade agreement. This exemption does not extend to goods specifically regulated by the aforementioned orders. However, goods that do not comply with the USMCA provisions will be subject to an additional duty of 25%.
5. Exemptions set in the guidance by U.S. Customs and Border Protection CSMS # 64724565 - UPDATED GUIDANCE – Reciprocal Tariff Exclusion for Specified Products in relation to specific goods imported from China are also considered in the calculations.
6. As GTAIC reports can be prepared for goods classified under 4- or 6-digit HS codes, and given that the product-specific regulations are primarily applicable to goods under 8-digit HS codes, the tariffs for goods classified under 8-digit HS codes have been applied to the corresponding broader categories of goods classified under 6-digit and 4-digit HS codes.
7. It is important to note that this estimation does not account for existing tariff levels and reflects only the projected additional tariff burden that could result from the aforementioned regulations. These projections are based solely on GTAIC interpretation of the cited regulations. As such, the actual tariffs applicable to specific products from specific countries may differ from the figures used in this estimation.
8. The primary purpose of this estimation is to provide a high-level overview of the potential impact of the announced tariffs on trade with the United States. This estimation may be subject to revision as the tariffs are practically implemented and as outcomes from any bilateral negotiations, which may occur in the coming months, are realized.
9. GTAIC disclaims any responsibility for the accuracy or completeness of the projections, and cautions that actual tariff rates and their effects may vary from those outlined in this report.

2

GLOBAL MARKET TRENDS

GLOBAL MARKET: SUMMARY

Global Market Size (2024), in US\$ terms	US\$ 12.6 B
US\$-terms CAGR (5 previous years 2020-2024)	-15.51 %
Global Market Size (2024), in tons	0.43 Ktons
Volume-terms CAGR (5 previous years 2020-2024)	-0.51 %
Proxy prices CAGR (5 previous years 2020-2024)	-15.08 %

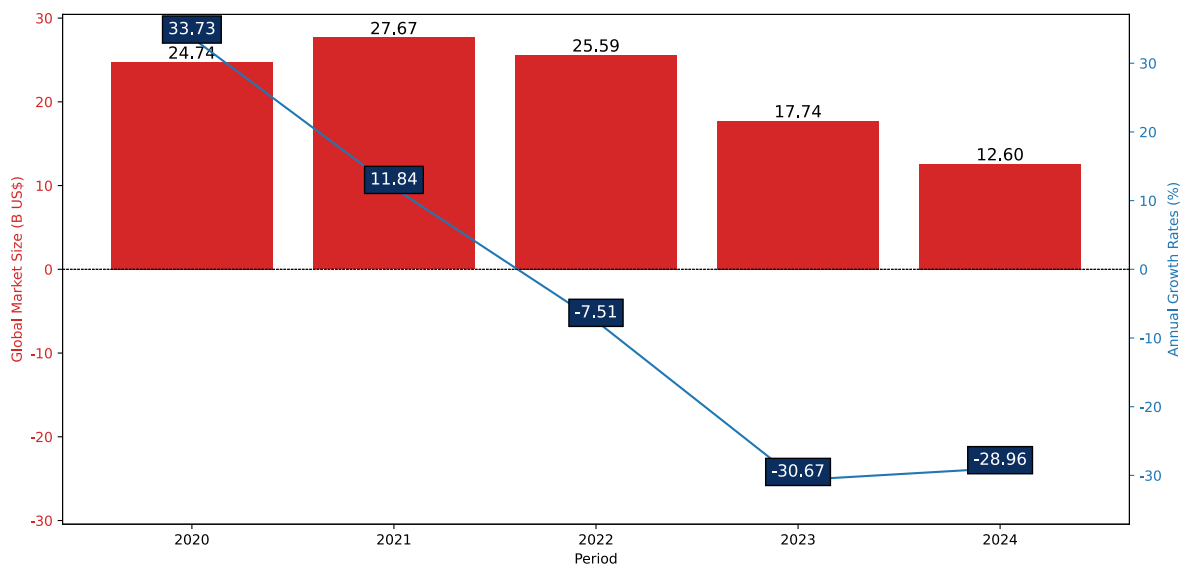
GLOBAL MARKET: LONG-TERM TRENDS

This section describes the development over the past five years, focusing on global imports of the chosen product in US\$ terms, aggregating data from all countries. It presents information in absolute values, percentage growth rates, long-term Compound Annual Growth Rate (CAGR), and delves into the economic factors contributing to global imports.

Key points:

- i. The global market size of Palladium unwrought or in powder form was reported at US\$12.6B in 2024.
- ii. The long-term dynamics of the global market of Palladium unwrought or in powder form may be characterized as stagnating with US\$-terms CAGR exceeding -15.51%.
- iii. One of the main drivers of the global market development was decline in demand accompanied by decline in prices.
- iv. Market growth in 2024 underperformed the long-term growth rates of the global market in US\$-terms.

Figure 1. Global Market Size (B US\$, left axes), Annual Growth Rates (% , right axis)



- a. The global market size of Palladium unwrought or in powder form was estimated to be US\$12.6B in 2024, compared to US\$17.74B the year before, with an annual growth rate of -28.96%
- b. Since the past five years CAGR exceeded -15.51%, the global market may be defined as stagnating.
- c. One of the main drivers of the long-term development of the global market in the US\$ terms may be defined as decline in demand accompanied by decline in prices.
- d. The best-performing calendar year was 2020 with the largest growth rate in the US\$-terms. One of the possible reasons was growth in prices accompanied by the growth in demand.
- e. The worst-performing calendar year was 2023 with the smallest growth rate in the US\$-terms. One of the possible reasons was decline in demand accompanied by decline in prices.

The following countries were not included in the calculation of the size of the global market over the last six years due to irregular provision of annual import statistics to the UN Comtrade Database (Top 10 countries with irregular data provision): Asia, not elsewhere specified, Armenia, Russian Federation, United Arab Emirates, Singapore, Viet Nam, Costa Rica, Slovakia, Romania, Bahrain.

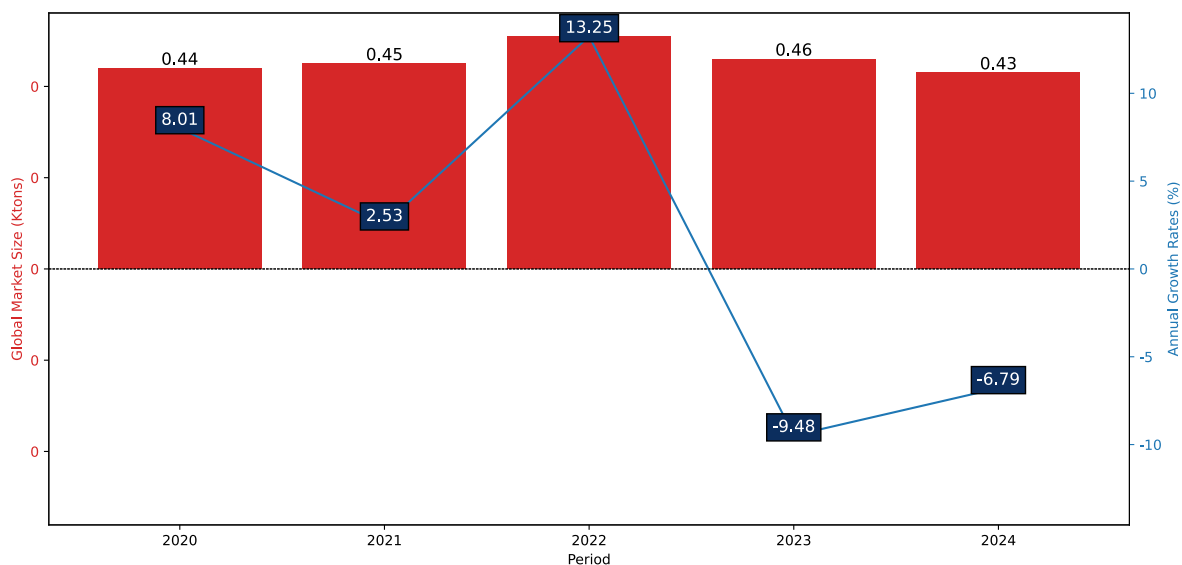
GLOBAL MARKET: LONG-TERM TRENDS

This section provides an overview of the global imports of the chosen product in volume terms, aggregating data from imports across all countries. It presents information in absolute values, percentage growth rates, and the long-term Compound Annual Growth Rate (CAGR) to supplement the analysis.

Key points:

- i. In volume terms, global market of Palladium unwrought or in powder form may be defined as stagnating with CAGR in the past five years of -0.51%.
- ii. Market growth in 2024 underperformed the long-term growth rates of the global market in volume terms.

Figure 2. Global Market Size (Ktons, left axis), Annual Growth Rates (% ,right axis)



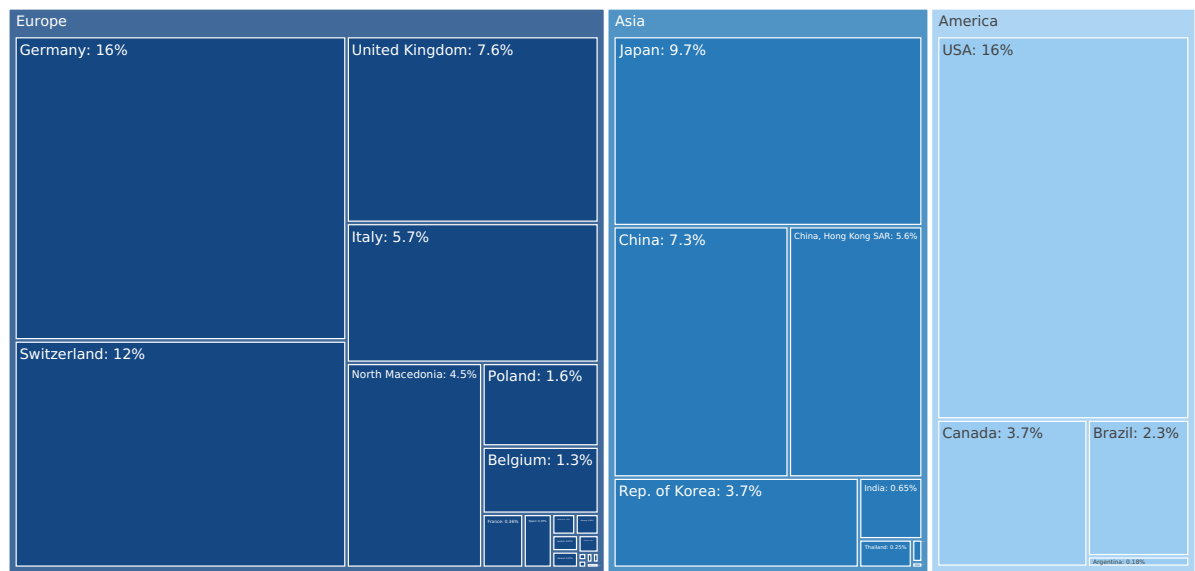
- a. Global market size for Palladium unwrought or in powder form reached 0.43 Ktons in 2024. This was approx. -6.79% change in comparison to the previous year (0.46 Ktons in 2023).
- b. The growth of the global market in volume terms in 2024 underperformed the long-term global market growth of the selected product.

The following countries were not included in the calculation of the size of the global market over the last six years due to irregular provision of annual import statistics to the UN Comtrade Database (Top 10 countries with irregular data provision): Asia, not elsewhere specified, Armenia, Russian Federation, United Arab Emirates, Singapore, Viet Nam, Costa Rica, Slovakia, Romania, Bahrain.

MARKETS CONTRIBUTING TO GLOBAL DEMAND

This section describes the global structure of imports for the chosen product. It utilizes a tree-map diagram, which offers a user-friendly visual representation covering all major importers.

Figure 3. Country-specific Global Imports in 2024, US\$-terms



Top-5 global importers of Palladium unwrought or in powder form in 2024 include:

- 1. Germany (16.38% share and -23.59% YoY growth rate of imports);
- 2. USA (16.19% share and -26.01% YoY growth rate of imports);
- 3. Switzerland (12.24% share and 37.17% YoY growth rate of imports);
- 4. Japan (9.73% share and -31.12% YoY growth rate of imports);
- 5. United Kingdom (7.64% share and -32.63% YoY growth rate of imports).

USA accounts for about 16.19% of global imports of Palladium unwrought or in powder form.

3

COUNTRY **MARKET** **TRENDS**

PRODUCT MARKET SNAPSHOT

This section provides data on imports of a specific good to a chosen country.

Country Market Size (2024), US\$	US\$ 2,040.53 M
Contribution of Palladium unwrought or in powder form to the Total Imports Growth in the previous 5 years	US\$ -1,373.29 M
Share of Palladium unwrought or in powder form in Total Imports (in value terms) in 2024.	0.06%
Change of the Share of Palladium unwrought or in powder form in Total Imports in 5 years	-57.17%
Country Market Size (2024), in tons	0.06 Ktons
CAGR (5 previous years 2020-2024), US\$-terms	-12.07%
CAGR (5 previous years 2020-2024), volume terms	5.89%
Proxy price CAGR (5 previous years 2020-2024)	-16.96%

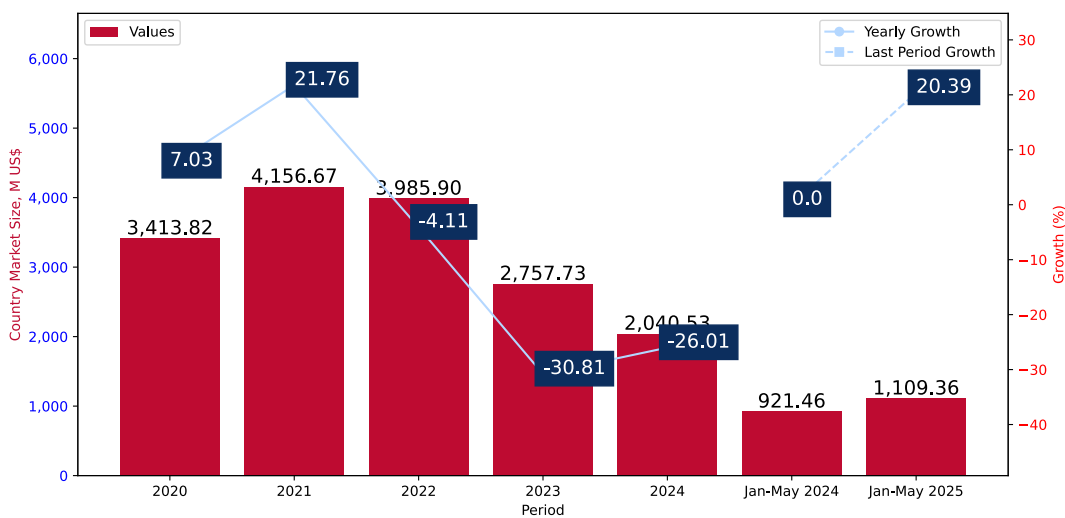
LONG-TERM COUNTRY TRENDS: IMPORTS VALUES

This section provides information on the imports of a specific product to a designated country over the past five years, presented in US\$ terms. It encompasses the growth rates of imports, the development of long-term import patterns, factors influencing import fluctuations, and an estimation of the country's reliance on imports.

Key points:

- i. Long-term performance of USA's market of Palladium unwrought or in powder form may be defined as declining.
- ii. Growth in demand accompanied by declining prices may be a leading driver of the long-term growth of USA's market in US\$-terms.
- iii. Expansion rates of imports of the product in 01.2025-05.2025 surpassed the level of growth of total imports of USA.
- iv. The strength of the effect of imports of the product on the country's economy is generally moderate.

Figure 4. USA's Market Size of Palladium unwrought or in powder form in M US\$ (left axis) and Annual Growth Rates in % (right axis)



- a. USA's market size reached US\$2,040.53M in 2024, compared to US\$2,757.73M in 2023. Annual growth rate was -26.01%.
- b. USA's market size in 01.2025-05.2025 reached US\$1,109.36M, compared to US\$921.46M in the same period last year. The growth rate was 20.39%.
- c. Imports of the product contributed around 0.06% to the total imports of USA in 2024. That is, its effect on USA's economy is generally of a moderate strength. At the same time, the share of the product imports in the total Imports of USA remained stable.
- d. Since CAGR of imports of the product in US\$-terms for the past 5Y exceeded -12.07%, the product market may be defined as declining. Ultimately, the expansion rate of imports of Palladium unwrought or in powder form was underperforming compared to the level of growth of total imports of USA (8.69% of the change in CAGR of total imports of USA).
- e. It is highly likely, that growth in demand accompanied by declining prices was a leading driver of the long-term growth of USA's market in US\$-terms.
- f. The best-performing calendar year with the highest growth rate of imports in the US\$-terms was 2021. It is highly likely that growth in prices accompanied by the growth in demand had a major effect.
- g. The worst-performing calendar year with the smallest growth rate of imports in the US\$-terms was 2023. It is highly likely that declining average prices had a major effect.

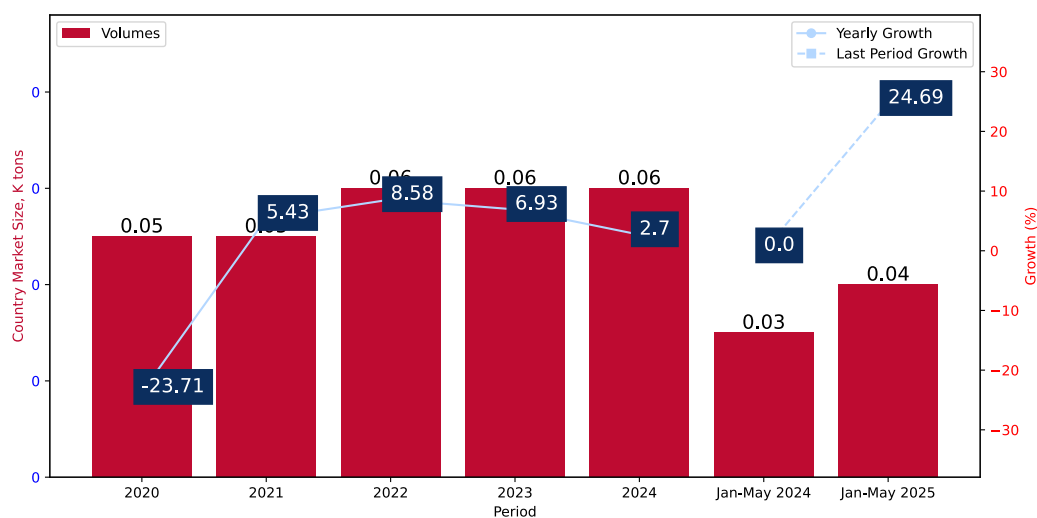
LONG-TERM COUNTRY TRENDS: IMPORTS VOLUMES

This section presents information regarding the imports of a particular product to a selected country over the last five years. It includes details about physical volumes, import growth rates, and the long-term development trend in imports.

Key points:

- i. In volume terms, the market of Palladium unwrought or in powder form in USA was in a growing trend with CAGR of 5.89% for the past 5 years, and it reached 0.06 Ktons in 2024.
- ii. Expansion rates of the imports of Palladium unwrought or in powder form in USA in 01.2025-05.2025 surpassed the long-term level of growth of the USA's imports of this product in volume terms

Figure 5. USA's Market Size of Palladium unwrought or in powder form in K tons (left axis), Growth Rates in % (right axis)



- a. USA's market size of Palladium unwrought or in powder form reached 0.06 Ktons in 2024 in comparison to 0.06 Ktons in 2023. The annual growth rate was 2.7%.
- b. USA's market size of Palladium unwrought or in powder form in 01.2025-05.2025 reached 0.04 Ktons, in comparison to 0.03 Ktons in the same period last year. The growth rate equaled to approx. 24.69%.
- c. Expansion rates of the imports of Palladium unwrought or in powder form in USA in 01.2025-05.2025 surpassed the long-term level of growth of the country's imports of Palladium unwrought or in powder form in volume terms.

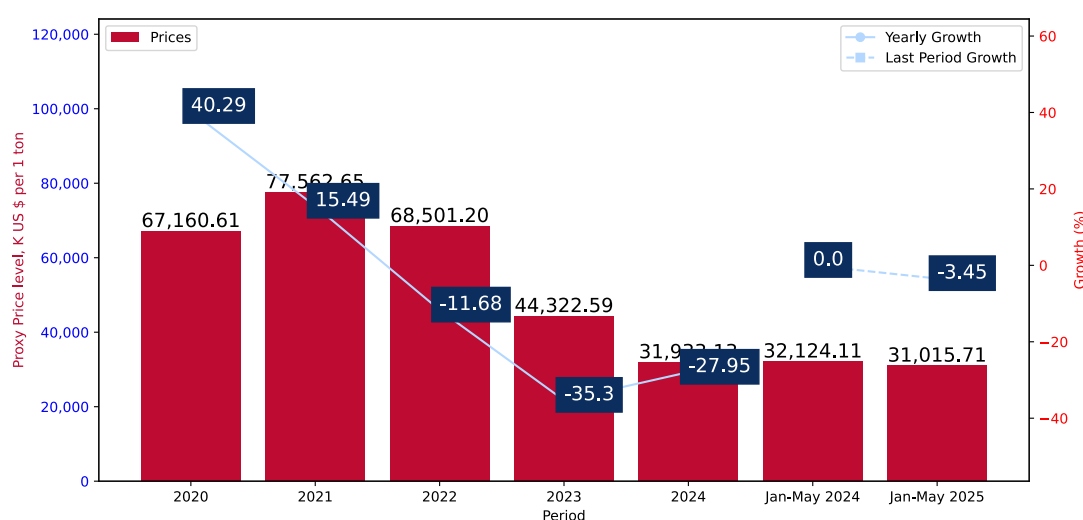
LONG-TERM COUNTRY TRENDS: PROXY PRICES

This section provides details regarding the price fluctuations of a specific imported product over the past five years. It covers the assessment of average annual proxy prices, their changes, growth rates, and identification of any anomalies in price fluctuations.

Key points:

- i. Average annual level of proxy prices of Palladium unwrought or in powder form in USA was in a declining trend with CAGR of -16.96% for the past 5 years.
- ii. Expansion rates of average level of proxy prices on imports of Palladium unwrought or in powder form in USA in 01.2025-05.2025 surpassed the long-term level of proxy price growth.

Figure 6. USA's Proxy Price Level on Imports, K US\$ per 1 ton (left axis), Growth Rates in % (right axis)

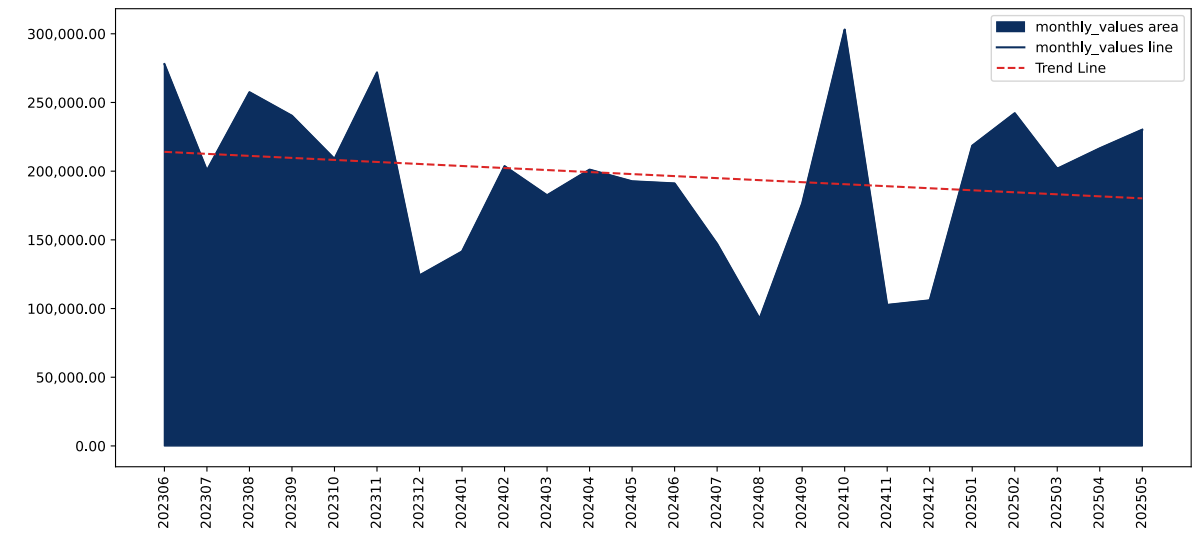


1. Average annual level of proxy prices of Palladium unwrought or in powder form has been declining at a CAGR of -16.96% in the previous 5 years.
2. In 2024, the average level of proxy prices on imports of Palladium unwrought or in powder form in USA reached 31,933.13 K US\$ per 1 ton in comparison to 44,322.59 K US\$ per 1 ton in 2023. The annual growth rate was -27.95%.
3. Further, the average level of proxy prices on imports of Palladium unwrought or in powder form in USA in 01.2025-05.2025 reached 31,015.71 K US\$ per 1 ton, in comparison to 32,124.11 K US\$ per 1 ton in the same period last year. The growth rate was approx. -3.45%.
4. In this way, the growth of average level of proxy prices on imports of Palladium unwrought or in powder form in USA in 01.2025-05.2025 was higher compared to the long-term dynamics of proxy prices.

SHORT-TERM TRENDS: IMPORTS VALUES

This section offers comprehensive and up-to-date statistics concerning the imports of a specific product into a designated country over the past 24 months for which relevant statistics is published and available. It includes monthly import values in US\$, year-on-year changes, identification of any anomalies in imports, examination of factors driving short-term fluctuations. Besides, it provides a quantitative estimation of the short-term trend in imports to supplement the data.

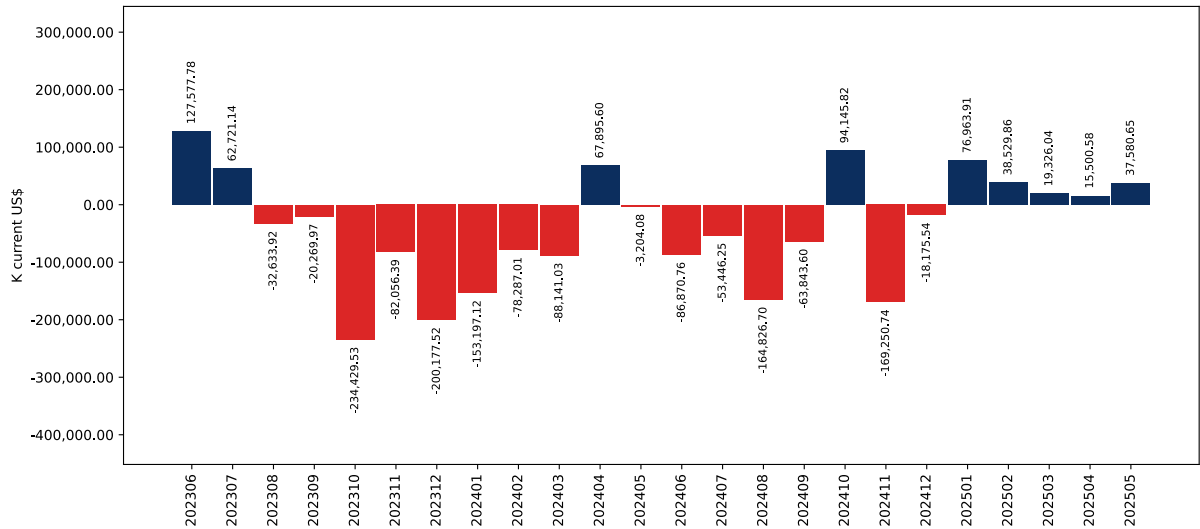
Figure 7. Monthly Imports of USA, K current US\$ -0.75% -8.59%
monthly annualized



Average monthly growth rates of USA's imports were at a rate of -0.75%, the annualized expected growth rate can be estimated at -8.59%.

The dashed line is a linear trend for Imports. Values are not seasonally adjusted.

Figure 8. Y-o-Y Monthly Level Change of Imports of USA, K current US\$ (left axis)



Year-over-year monthly imports change depicts fluctuations of imports operations in USA. The more positive values are on chart, the more vigorous the country in importing of Palladium unwrought or in powder form. Negative values may be a signal of the market contraction.

Values in columns are not seasonally adjusted.

SHORT-TERM TRENDS: IMPORTS VALUES

This section presents detailed and the most recent data on the imports of a specific commodity to a chosen country over the past 24 months for which relevant statistics is published and available. It encompasses monthly import figures in US dollars, year-on-year changes, anomalies in import patterns, factors driving short-term fluctuations, and includes a quantitative estimation of short-term import trends as additional information.

Key points:

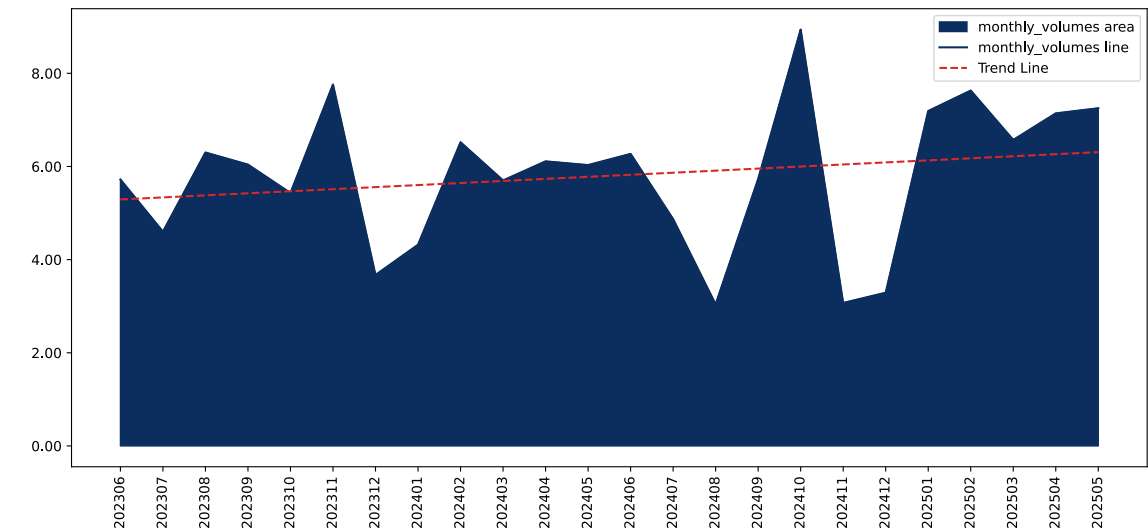
- i. The dynamics of the market of Palladium unwrought or in powder form in USA in LTM (06.2024 - 05.2025) period demonstrated a stagnating trend with growth rate of -10.96%. To compare, a 5-year CAGR for 2020-2024 was -12.07%.
 - ii. With this trend preserved, the expected monthly growth of imports in the coming period may reach the level of -0.75%, or -8.59% on annual basis.
 - iii. Data for monthly imports over the last 12 months contain no record(s) of higher and 3 record(s) of lower values compared to any value for the 48-months period before.
-
- a. In LTM period (06.2024 - 05.2025) USA imported Palladium unwrought or in powder form at the total amount of US\$2,228.43M. This is -10.96% growth compared to the corresponding period a year before.
 - b. The growth of imports of Palladium unwrought or in powder form to USA in LTM outperformed the long-term imports growth of this product.
 - c. Imports of Palladium unwrought or in powder form to USA for the most recent 6-month period (12.2024 - 05.2025) outperformed the level of Imports for the same period a year before (16.23% change).
 - d. A general trend for market dynamics in 06.2024 - 05.2025 is stagnating. The expected average monthly growth rate of imports of USA in current USD is -0.75% (or -8.59% on annual basis).
 - e. Monthly dynamics of imports in last 12 months included no record(s) that exceeded the highest/peak value of imports achieved in the preceding 48 months, and 3 record(s) that bypass the lowest value of imports in the same period in the past.

SHORT-TERM TRENDS: IMPORTS VOLUMES

This section presents detailed and the most recent data on the imports of a specific commodity to a chosen country over the past 24 months for which relevant statistics is published and available. It encompasses monthly import figures in tons, year-on-year changes, anomalies in import patterns, factors driving short-term fluctuations, and includes a quantitative estimation of short-term import trends as additional information.

Figure 9. Monthly Imports of USA, tons

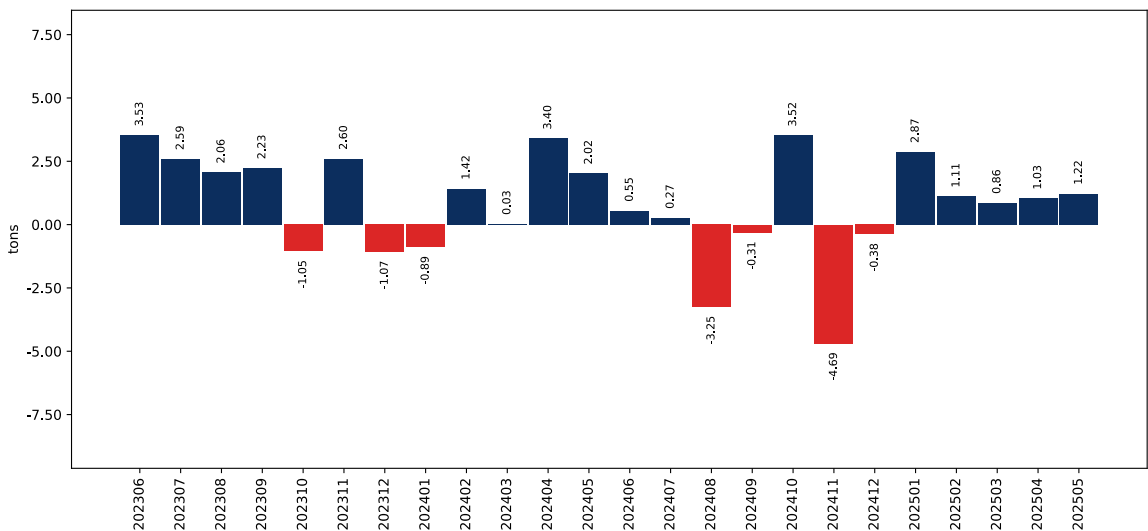
0.77% 9.58%
monthly annualized



Monthly imports of USA changed at a rate of 0.77%, while the annualized growth rate for these 2 years was 9.58%.

The dashed line is a linear trend for Imports. Volumes are not seasonally adjusted.

Figure 10. Y-o-Y Monthly Level Change of Imports of USA, tons



Year-over-year monthly imports change depicts fluctuations of imports operations in USA. The more positive values are on chart, the more vigorous the country in importing of Palladium unwrought or in powder form. Negative values may be a signal of market contraction.

Volumes in columns are in tons.

SHORT-TERM TRENDS: IMPORTS VOLUMES

This section presents detailed and the most recent data on the imports of a specific commodity into a chosen country over the past 24 months for which relevant statistics is published and available. It encompasses monthly import figures in tons, year-on-year changes, anomalies in import patterns, factors driving short-term fluctuations, and includes a quantitative estimation of short-term import trends as additional information.

Key points:

- i. The dynamics of the market of Palladium unwrought or in powder form in USA in LTM period demonstrated a growing trend with a growth rate of 4.08%. To compare, a 5-year CAGR for 2020-2024 was 5.89%.
 - ii. With this trend preserved, the expected monthly growth of imports in the coming period may reach the level of 0.77%, or 9.58% on annual basis.
 - iii. Data for monthly imports over the last 12 months contain 1 record(s) of higher and no record(s) of lower values compared to any value for the 48-months period before.
-
- a. In LTM period (06.2024 - 05.2025) USA imported Palladium unwrought or in powder form at the total amount of 70.98 tons. This is 4.08% change compared to the corresponding period a year before.
 - b. The growth of imports of Palladium unwrought or in powder form to USA in value terms in LTM underperformed the long-term imports growth of this product.
 - c. Imports of Palladium unwrought or in powder form to USA for the most recent 6-month period (12.2024 - 05.2025) outperform the level of Imports for the same period a year before (20.72% change).
 - d. A general trend for market dynamics in 06.2024 - 05.2025 is growing. The expected average monthly growth rate of imports of Palladium unwrought or in powder form to USA in tons is 0.77% (or 9.58% on annual basis).
 - e. Monthly dynamics of imports in last 12 months included 1 record(s) that exceeded the highest/peak value of imports achieved in the preceding 48 months, and no record(s) that bypass the lowest value of imports in the same period in the past.

SHORT-TERM TRENDS: PROXY PRICES

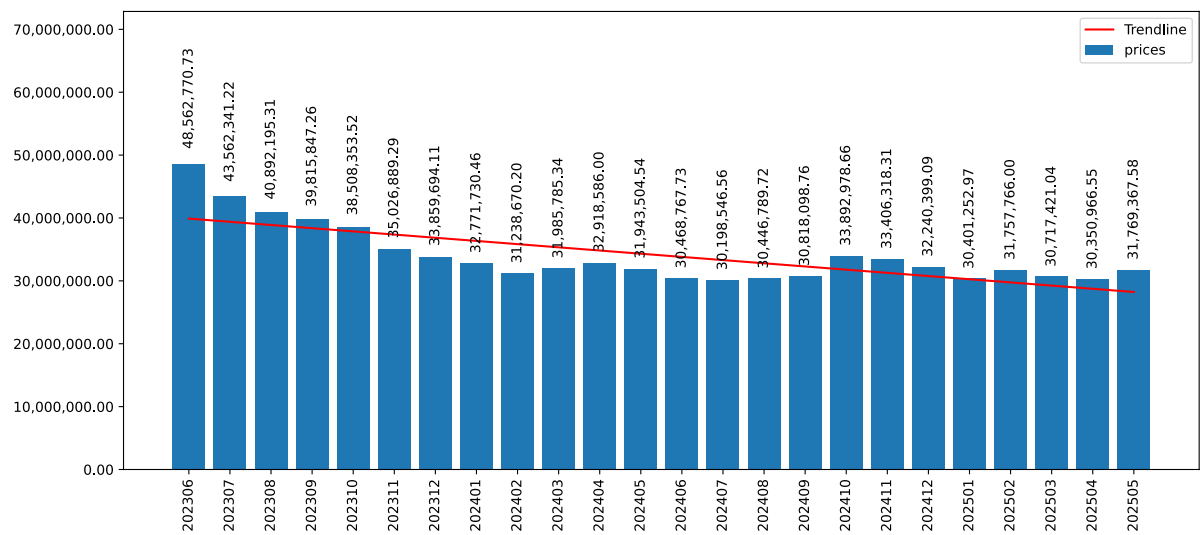
This section provides a quantitative assessment of short-term price fluctuations. It includes details on the monthly proxy price changes, an estimation of the short-term trend in proxy price levels, and identification of any anomalies in price dynamics.

Key points:

- i. The average level of proxy price on imports in LTM period (06.2024-05.2025) was 31,393,674.53 current US\$ per 1 ton, which is a -14.45% change compared to the same period a year before. A general trend for proxy price change was stagnating.
- ii. Growth in demand accompanied by declining prices was a leading driver of the Country Market Short-term Development.
- iii. With this trend preserved, the expected monthly growth of the proxy price level in the coming period may reach the level of -1.49%, or -16.52% on annual basis.

Figure 11. Average Monthly Proxy Prices on Imports, current US\$/ton

-1.49% -16.52%
monthly annualized

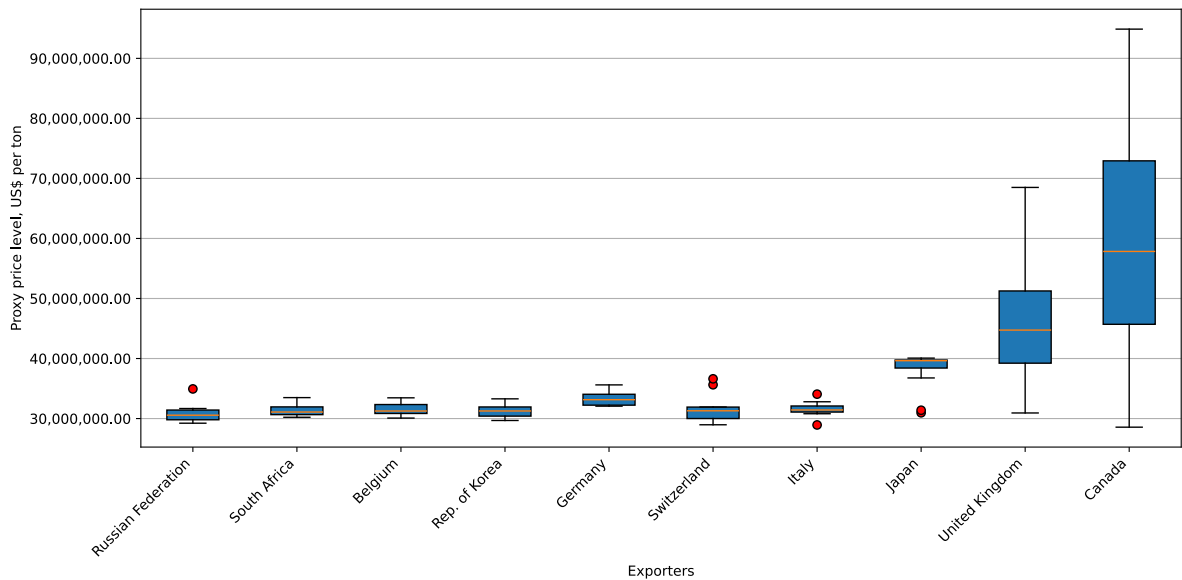


- a. The estimated average proxy price on imports of Palladium unwrought or in powder form to USA in LTM period (06.2024-05.2025) was 31,393,674.53 current US\$ per 1 ton.
- b. With a -14.45% change, a general trend for the proxy price level is stagnating.
- c. Changes in levels of monthly proxy prices on imports for the past 12 months consists of no record(s) with values exceeding the highest level of proxy prices for the preceding 48-months period, and 7 record(s) with values lower than the lowest value of proxy prices in the same period.
- d. It is highly likely, that growth in demand accompanied by declining prices was a leading driver of the short-term fluctuations in the market.

SHORT-TERM TRENDS: PROXY PRICES

This section provides comprehensive details on proxy price levels in a form of box plot. It facilitates the analysis and comparison of proxy prices of the selected good supplied by other countries.

Figure 12. LTM Average Monthly Proxy Prices by Largest Suppliers, Current US\$ / ton



The chart shows distribution of proxy prices on imports for the period of LTM (06.2024-05.2025) for Palladium unwrought or in powder form exported to USA by largest exporters. The box height shows the range of the middle 50% of levels of proxy price on imports formed in LTM. The higher the box, the wider the spread of proxy prices. The line within the box, a median level of the proxy price level on imports, marks the midpoint of per country data set: half the prices are greater than or equal to this value, and half are less. The upper and lower whiskers represent values of proxy prices outside the middle 50%, that is, the lower 25% and the upper 25% of the proxy price levels. The lowest proxy price level is at the end of the lower whisker, while the highest is at the end of the higher whisker. Red dots represent unusually high or low values (i.e., outliers), which are not included in the box plot.

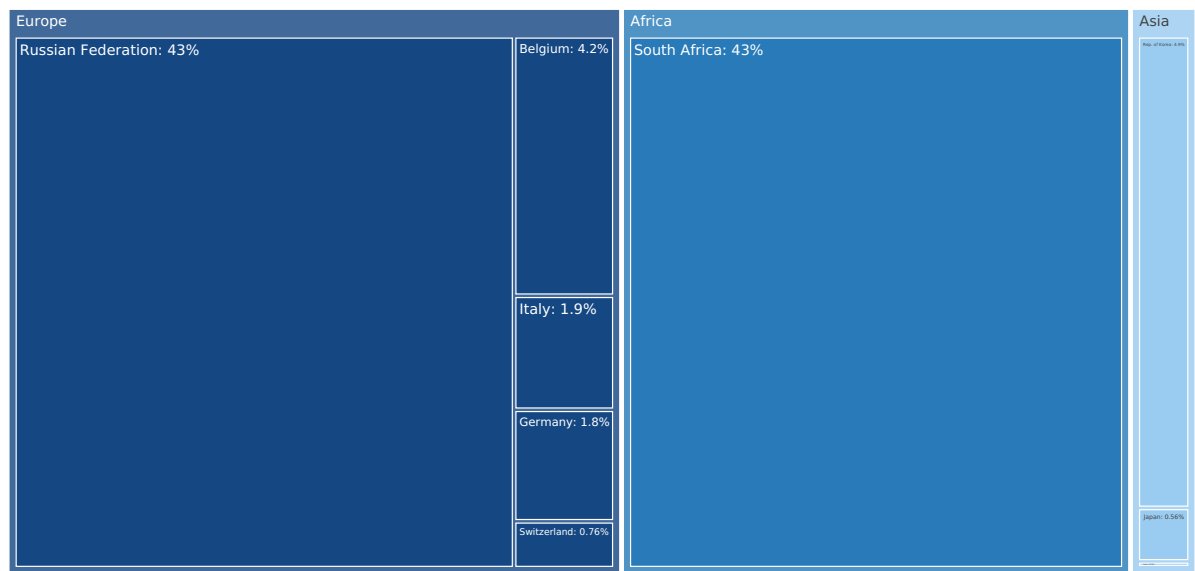
4

COUNTRY COMPETITION LANDSCAPE

COMPETITION LANDSCAPE: VALUE TERMS

This section offers insights into major suppliers of the selected product to a particular country within the last 12 months. A tree-map chart is used to facilitate the identification and better visualization of primary competitors, illustrating market shares in US\$ terms. Additionally, a diagram highlighting suppliers who experienced significant increases or decreases in market shares during the last 12 months complements the analysis. These are winners or losers from the market share perspective.

Figure 13. Largest Trade Partners of USA in 2024, K US\$



The chart shows largest supplying countries and their shares in imports of Palladium unwrought or in powder form to USA in 2024 in value terms (US\$). Different colors depict geographic regions.

Figure 14. Contribution to Growth of Imports in LTM (June 2024 – May 2025),K US\$

GROWTH CONTRIBUTORS

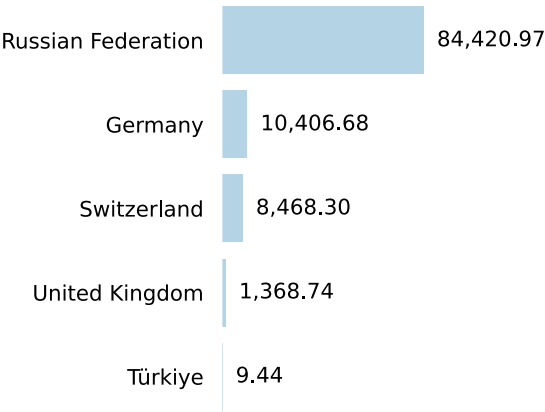
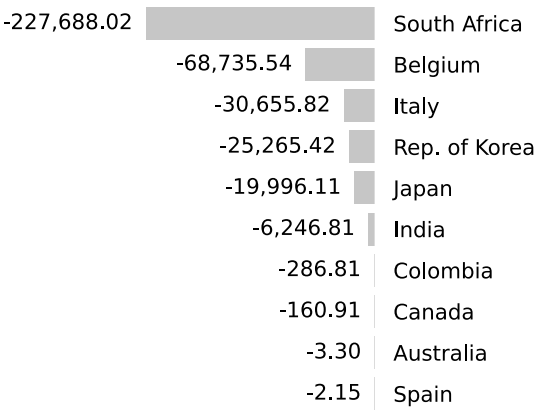


Figure 15. Contribution to Decline of Imports in LTM (June 2024 – May 2025),K US\$

DECLINE CONTRIBUTORS



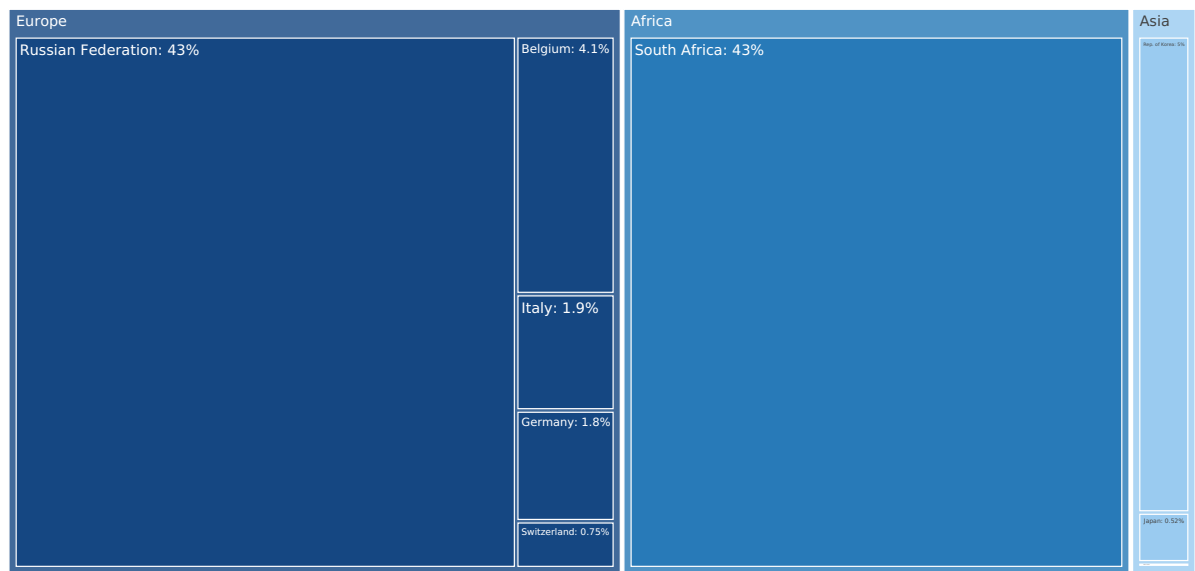
Total imports change in the period of LTM was recorded at -274,366.76 K US\$.

The charts show Top-10 countries with positive and negative contribution to the growth of imports of Palladium unwrought or in powder form to USA in the period of LTM (June 2024 – May 2025 compared to June 2023 – May 2024).

COMPETITION LANDSCAPE: VOLUME TERMS

This section offers insights into major suppliers of the selected product to a particular country within the last 12 months. A tree-map chart is used to facilitate the identification and better visualization of primary competitors, illustrating market shares in Ktons. Additionally, a diagram highlighting suppliers who experienced significant increases or decreases in market shares during the last 12 months complements the analysis. These are winners or losers from the market share perspective.

Figure 16. Largest Trade Partners of USA in 2024, tons



The chart shows largest supplying countries and their shares in imports of Palladium unwrought or in powder form to USA in 2024 in volume terms (tons). Different colors depict geographic regions.

Figure 17. Contribution to Growth of Imports in LTM (June 2024 – May 2025), tons

GROWTH CONTRIBUTORS

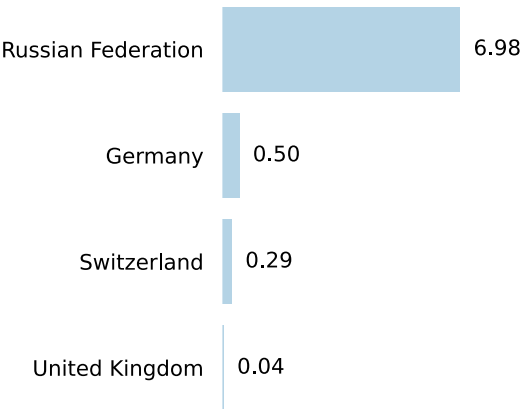
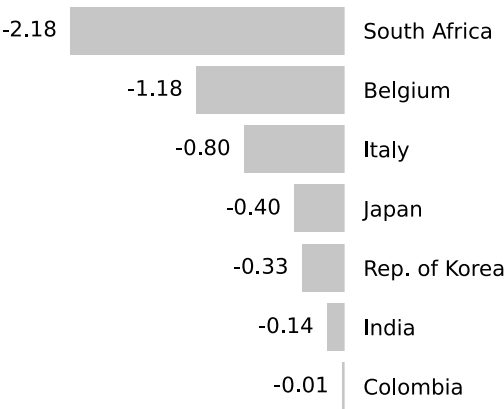


Figure 18. Contribution to Decline of Imports in LTM (June 2024 – May 2025), tons

DECLINE CONTRIBUTORS



Total imports change in the period of LTM was recorded at 2.77 tons

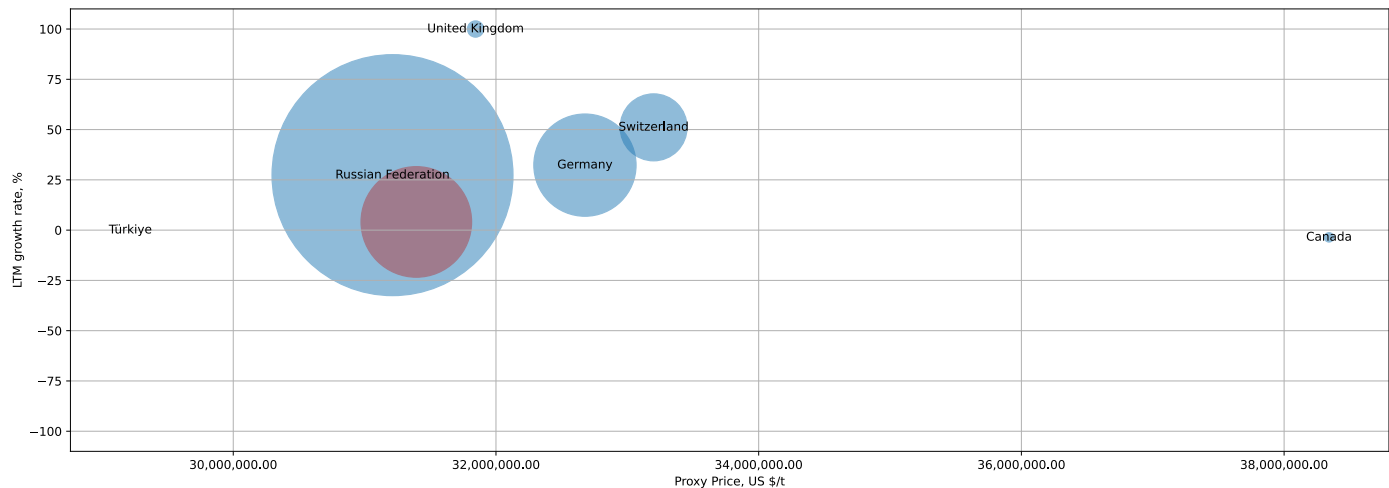
The charts show Top-10 countries with positive and negative contribution to the growth of imports of Palladium unwrought or in powder form to USA in the period of LTM (June 2024 – May 2025 compared to June 2023 – May 2024).

COMPETITION LANDSCAPE: CONTRIBUTORS TO GROWTH

This section presents information about the most successful exporters who managed to significantly increase their supplies over last 12 months. The upper-left corner of the chart highlights countries deemed the most aggressive competitors in the market. The horizontal axis measures the proxy price level offered by suppliers, the vertical axis portrays the growth rate of supplies in volume terms, and the bubble size indicates the extent at which a country-supplier contributed to the growth of imports. The chart encompasses the most recent data spanning the past 12 months.

Figure 19. Top suppliers-contributors to growth of imports of to USA in LTM (winners)

Average Imports Parameters:
LTM growth rate = 4.08%
Proxy Price = 31,393,674.53 US\$ / t



The chart shows the classification of countries who were among the greatest growth contributors in terms of supply of Palladium unwrought or in powder form to USA:

- Bubble size depicts the volume of imports from each country to USA in the period of LTM (June 2024 – May 2025).
- Bubble's position on X axis depicts the average level of proxy price on imports of Palladium unwrought or in powder form to USA from each country in the period of LTM (June 2024 – May 2025).
- Bubble's position on Y axis depicts growth rate of imports of Palladium unwrought or in powder form to USA from each country (in tons) in the period of LTM (June 2024 – May 2025) compared to the corresponding period a year before.
- Red Bubble represents a theoretical "average" country supplier out of the top-10 countries shown in the Chart.

Various factors may cause these 10 countries to increase supply of Palladium unwrought or in powder form to USA in LTM. Some may be due to the growth of comparative advantages price wise, others may be related to higher quality or better trade conditions. Below is a list of countries, whose proxy price level of supply of Palladium unwrought or in powder form to USA seemed to be a significant factor contributing to the supply growth:

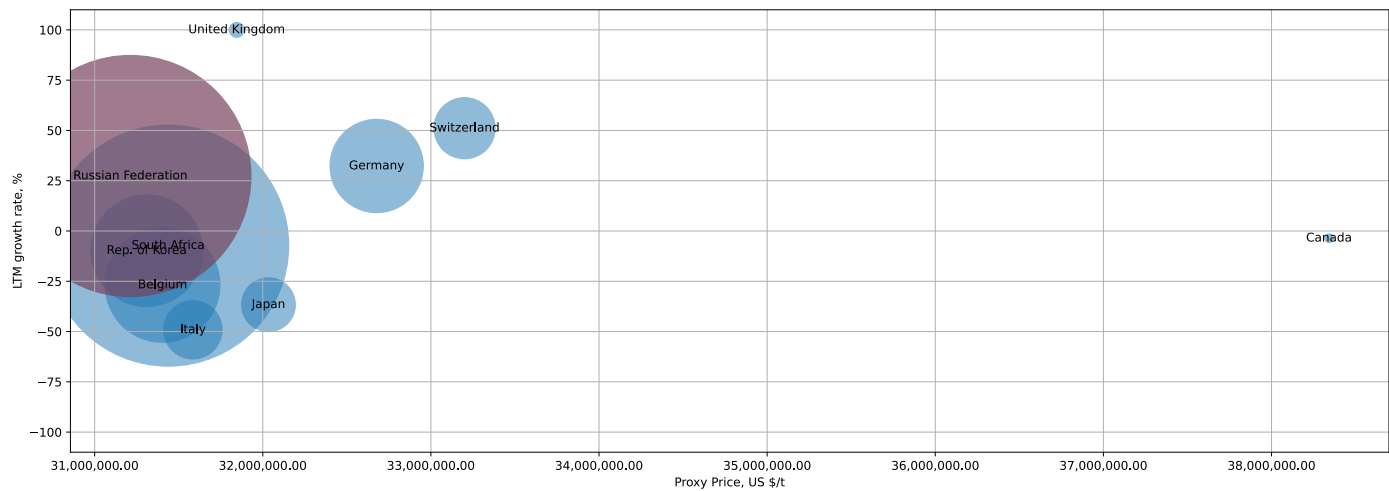
1. Türkiye;
2. Russian Federation;

COMPETITION LANDSCAPE: TOP COMPETITORS

This section provides details about the primary exporters of a particular product to a designated country. To present a comprehensive view, a bubble-chart is employed, showcasing a country's position relative to others. It simultaneously utilizes three indicators: the horizontal axis measures the proxy price level provided by suppliers, the vertical axis indicates the market share growth rate, and the size of the bubble denotes the volume of imports from a country-supplier. Countries positioned in the upper-left corner of the chart are considered the most competitive players in the market. The chart includes the most recent data spanning the past 12 months.

Figure 20. Top-10 Supplying Countries to USA in LTM (June 2024 – May 2025)

Total share of identified TOP-10 supplying countries in USA's imports in US\$-terms in LTM was 100.0%



The chart shows the classification of countries who are strong competitors in terms of supplies of Palladium unwrought or in powder form to USA:

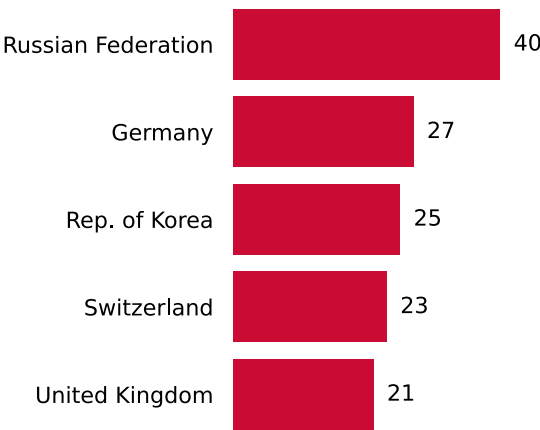
- Bubble size depicts market share of each country in total imports of USA in the period of LTM (June 2024 – May 2025).
- Bubble's position on X axis depicts the average level of proxy price on imports of Palladium unwrought or in powder form to USA from each country in the period of LTM (June 2024 – May 2025).
- Bubble's position on Y axis depicts growth rate of imports Palladium unwrought or in powder form to USA from each country (in tons) in the period of LTM (June 2024 – May 2025) compared to the corresponding period a year before.
- Red Bubble represents the country with the largest market share.

COMPETITION LANDSCAPE: TOP COMPETITORS

This section focuses on competition among suppliers and includes a ranking of countries-exporters that are regarded as the most competitive within the last 12 months.

- a) In US\$-terms, the largest supplying countries of Palladium unwrought or in powder form to USA in LTM (06.2024 - 05.2025) were:
- 1. Russian Federation (1,014.38 M US\$, or 45.52% share in total imports);
 - 2. South Africa (872.2 M US\$, or 39.14% share in total imports);
 - 3. Belgium (100.71 M US\$, or 4.52% share in total imports);
 - 4. Rep. of Korea (95.35 M US\$, or 4.28% share in total imports);
 - 5. Germany (66.72 M US\$, or 2.99% share in total imports);
- b) Countries who increased their imports the most (top-5 contributors to total growth in imports in US \$ terms) during the LTM period (06.2024 - 05.2025) were:
- 1. Russian Federation (84.42 M US\$ contribution to growth of imports in LTM);
 - 2. Germany (10.41 M US\$ contribution to growth of imports in LTM);
 - 3. Switzerland (8.47 M US\$ contribution to growth of imports in LTM);
 - 4. United Kingdom (1.37 M US\$ contribution to growth of imports in LTM);
 - 5. Türkiye (0.01 M US\$ contribution to growth of imports in LTM);
- c) Countries whose price level of imports may have been a significant factor of the growth of supply (out of Top-10 contributors to growth of total imports):
- 1. Türkiye (29,216,718 US\$ per ton, 0.0% in total imports, and 0.0% growth in LTM);
 - 2. Russian Federation (31,212,404 US\$ per ton, 45.52% in total imports, and 9.08% growth in LTM);
- d) Top-3 high-ranked competitors in the LTM period:
- 1. Russian Federation (1,014.38 M US\$, or 45.52% share in total imports);
 - 2. Germany (66.72 M US\$, or 2.99% share in total imports);
 - 3. Rep. of Korea (95.35 M US\$, or 4.28% share in total imports);

Figure 21. Ranking of TOP-5 Countries - Competitors



The ranking is a cumulative value of 4 parameters, with the maximum possible score of 40 points. For more information on the methodology, refer to the "Methodology" section.

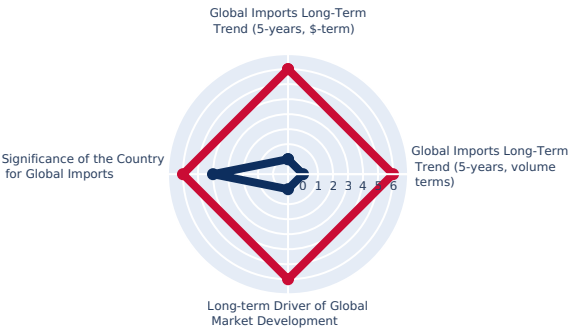
5

CONCLUSIONS

EXPORT POTENTIAL: RANKING RESULTS -1

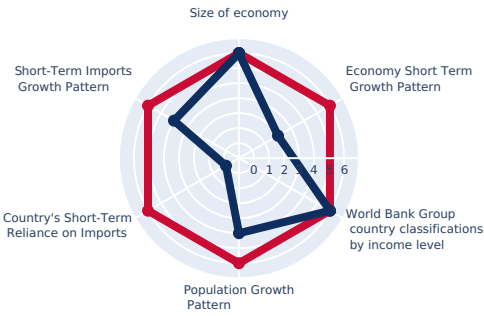
Component 1: Long-term trends of Global Demand for Imports

Max Score: 24
Country Score: 4



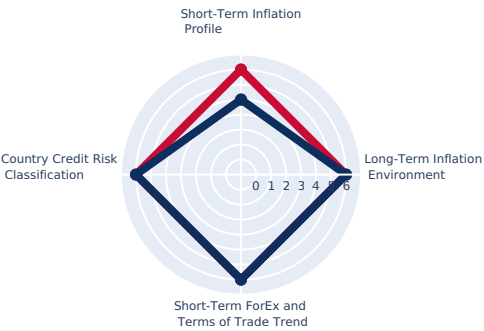
Component 2: Strength of the Demand for Imports in the selected country

Max Score: 36
Country Score: 22



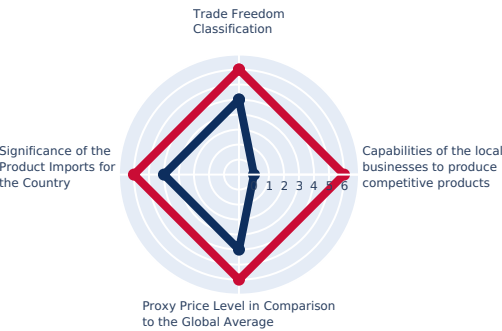
Component 3: Macroeconomic risks for Imports to the selected country

Max Score: 24
Country Score: 22



Component 4: Market entry barriers and domestic competition pressures for imports of the good

Max Score: 24
Country Score: 12

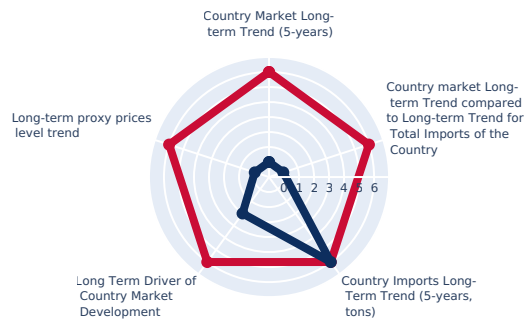


EXPORT POTENTIAL: RANKING RESULTS -2

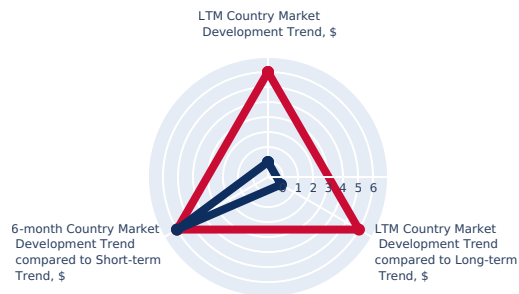
Component 5: Long-term trends of Country Market

Component 6: Short-term trends of Country Market, US\$-terms

Max Score: 30
Country Score: 8



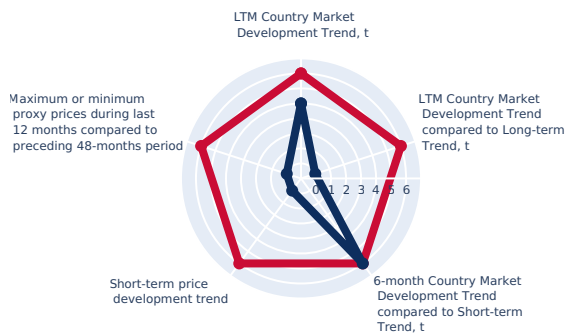
Max Score: 18
Country Score: 6



Component 7: Short-term trends of Country Market, volumes and proxy prices

Aggregated Country Ranking

Max Score: 30
Country Score: 10



Max Score: 14
Country Score: 6



Conclusion: Based on this estimation, the entry potential of this product market can be defined as indicating an uncertain probability of successful entry into the market.

MARKET VOLUME THAT MAY BE CAPTURED BY A NEW SUPPLIER IN MID-TERM

This concluding section provides an assessment of the attractiveness level of the chosen country for suppliers. It also includes estimations of the market volume that suppliers can potentially fill, represented in both US\$ and Ktons.

Conclusion:

Based on recent imports dynamics and high-level analysis of the competition landscape, imports of Palladium unwrought or in powder form by USA may be expanded to the extent of 6,749.64 K US\$ monthly, that may be captured by suppliers in a short-term.

This estimation holds possible should any significant competitive advantages have been gained.

A high-level estimation of a share of imports of Palladium unwrought or in powder form by USA that may be captured by a new supplier or by existing market player in the upcoming short-term period of 6-12 months, includes two major components:

- **Component 1: Potential imports volume supported by Market Growth.** This is a market volume that can be captured by supplier as an effect of the trend related to market growth.
- **Component 2: Expansion of imports due to increase of Competitive Advantages of suppliers.** This is a market volume that can be captured by suppliers with strong competitive advantages, whether price wise or another, more specific and sustainable competitive advantages.

Below is an estimation of supply volumes presented separately for both components. In addition, an integrated component was added to estimate total potential supply of Palladium unwrought or in powder form to USA.

Estimation of Component 1 of Volume of Potential Supply, which is supported by Market Growth

24-months development trend (volume terms), monthly growth rate	0.77 %
Estimated monthly imports increase in case the trend is preserved	0.55 tons
Estimated share that can be captured from imports increase	10 %
Potential monthly supply (based on the average level of proxy prices of imports)	1,726.65 K US\$

Estimation of Component 2 of Volume of Potential Supply, which is supported by Competitive Advantages

The average imports increase in LTM by top-5 contributors to the growth of imports	1.95 tons
Estimated monthly imports increase in case of complete advantages	0.16 tons
The average level of proxy price on imports of 711021 in USA in LTM	31,393,674.53 US\$/t
Potential monthly supply based on the average level of proxy prices on imports	5,022.99 K US\$

Integrated Estimation of Volume of Potential Supply

Component 1. Supply supported by Market Growth	Yes	1,726.65 K US\$
Component 2. Supply supported by Competitive Advantages		5,022.99 K US\$
Integrated estimation of market volume that may be added each month		6,749.64 K US\$

Note: Component 2 works only in case there are strong competitive advantages in comparison to the largest competitors and top growing suppliers.

6

LIST OF COMPANIES

LIST OF COMPANIES: DISCLAIMER

This section provides a summary of companies identified as producers of the analyzed product - both within the focus country and among its top trading partners with the highest import volumes. For more information on the listed companies, please refer to the separate Excel file (if available in your account). The information provided in this section is based solely on data compiled by BoldData.

Data and Sources:

The information provided in this section of the report is based solely on data compiled by BoldData (<https://bolddata.nl>). While efforts have been made to ensure accuracy, completeness, and timeliness, no guarantee is provided regarding the reliability of the data. Users are encouraged to verify the accuracy of the information before making any decisions based on it.

Methodology:

The GTAIC experts created a cross-reference table to match the data on goods classified according to The Harmonized Commodity Description and Coding System generally referred to as 'Harmonized System', which is a multipurpose international product nomenclature developed by the World Customs Organization (WCO), with The Standard Industrial Classification (SIC) system which is a U.S.- created classification system that indicates the company's type of business. While the experts, who are economists by education with significant experience in business analytics did their best to match the two classifiers as close and precise as possible, the results sometimes may still include mismatched data.

Company Inclusion Criteria:

Based upon the methodology applied by the GTAIC experts, the companies listed in this table are recognized as producers of the referenced products. However, inclusion in this list does not imply that these companies actively export their products or participate in international trade. The status of production and export activities may change over time, and users are advised to conduct independent verification when necessary.

Limitation of Liability:

The authors of this document and affiliated entities shall not be held responsible for any direct, indirect, or consequential losses arising from the use of the information contained herein. Users assume full responsibility for any actions taken based on this document.

Note:

If the following pages do not include information on companies, it indicates that no companies that can be recognized as producers of the product analyzed were identified at the time of preparing this report based on the selected search criteria and the information available at BoldData database. In this case, no separate Excel file with the List of Companies will be downloaded to your account either.

7

POLICY CHANGES AFFECTING TRADE

POLICY CHANGES AFFECTING TRADE

This section provides an overview of recent policy changes that may impact trade and investment in the country under analysis. The information is sourced from the repository maintained by the Global Trade Alert (GTA). Usage of this material is permitted, provided that proper attribution is given to the Global Trade Alert (GTA).

All materials presented in the following chapter of the report are sourced from the Global Trade Alert (GTA) database.

The Global Trade Alert is the world's premier repository of policy changes affecting global trade and investment. The GTA launched in June 2009, and since then, the independent team has documented tens of thousands state interventions worldwide. The evidence collected by GTA is regularly used by governments, international organizations and leading media brands around the globe.

The GTA is an initiative of the Swiss-based St. Gallen Endowment for Prosperity Through Trade, a neutral, non-profit organisation dedicated to increasing transparency of global policies affecting the digital economy, trade and investment.

For the most up-to-date information on global trade policies and regulations worldwide, we encourage you to visit the official website of the Global Trade Alert at <https://globaltradealert.org>.

Note: If the following pages do not include information on relevant policy measures, it indicates that no specific active policies related to the product and/or country analyzed were identified at the time of preparing this report based on the selected search criteria.

UNITED STATES OF AMERICA: TEMPORARY TARIFF REDUCTION ON IMPORTED GOODS FROM CHINA FOLLOWING BILATERAL US-CHINA MEETING (MAY 2025)

Date Announced: 2025-05-12

Date Published: 2025-05-12

Date Implemented: 2025-05-14

Alert level: **Green**

Intervention Type: **Import tariff**

Affected Counties: **China, Hong Kong, Macao**

On 12 May 2025, the U.S. Administration issued an executive order (EO) to reduce specific tariffs on low-value imports from China, particularly targeting synthetic opioids. The order decreases the ad valorem rate of duty from 120% to 54% on low-value items outlined in EO 14256 (see related state acts). The per-item postal duty of USD 100, as previously established in the same order, remains unchanged. The executive action also suspends a previously scheduled increase in per-item duties from USD 100 to USD 200, which had been set to take effect on 1 June 2025. These measures take effect from 14 May 2025.

The tariff adjustments aim to ensure the full implementation of broader tariff relief measures (see related intervention). They are part of the U.S. Administration's assessment that recent discussions with China represent progress toward resolving non-reciprocal trade practices and addressing related national and economic security concerns. This measure follows the "Joint Statement on U.S.-China Economic and Trade Meeting in Geneva".

Update

On 28 May 2025, the United States Court of International Trade issued a unanimous decision in the consolidated cases of V.O.S. Selections, Inc. v. United States and State of Oregon v. United States. The suing parties (plaintiffs) challenged the "Worldwide and Retaliatory Tariffs" (also known as the "Liberation Day" reciprocal tariffs), which imposed duties on all imports and increased tariffs on goods from 57 countries, as well as the "Trafficking Tariffs" targeting imports from China, Mexico, and Canada. The court found that these actions exceeded the authority granted under the International Emergency Economic Powers Act (IEEPA) and violated constitutional limits on executive power. It concluded that the claimed threats were either too vague, insufficiently justified, or not clearly connected to the countries subject to the tariffs. As a result, the court declared the tariffs unlawful. Following the ruling, the Trump administration immediately filed an appeal.

On 29 May 2025, the U.S. Court of Appeals for the Federal Circuit granted an immediate administrative stay of the lower court's judgment. This stay temporarily halts the enforcement of the trade court's ruling, allowing the tariffs to remain in effect. The Federal Circuit has consolidated the appeals and set a briefing schedule: plaintiffs are to respond to the government's motion for a stay by 5 June 2025, and the government may file a consolidated reply by 9 June 2025. The court's decision on whether to grant a longer-term stay will follow this briefing.

Source: U.S. White House, Briefing and Statements, "Joint Statement on U.S.-China Economic and Trade Meeting in Geneva". Available at: <https://www.whitehouse.gov/briefings-statements/2025/05/joint-statement-on-u-s-china-economic-and-trade-meeting-in-geneva/> U.S. White House, Presidential Actions - Executive Order, "MODIFYING RECIPROCAL TARIFF RATES TO REFLECT DISCUSSIONS WITH THE PEOPLE'S REPUBLIC OF CHINA". Available at: <https://www.whitehouse.gov/presidential-actions/2025/05/modifying-reciprocal-tariff-rates-to-reflect-discussions-with-the-peoples-republic-of-china/> United States Court of International Trade. (28 May 2025). V.O.S. Selections, Inc. v. United States; State of Oregon v. United States, Court No. 22-00287. Available at: <https://www.cit.uscourts.gov/sites/cit/files/25-66.pdf> United States Court of Appeals for the Federal Circuit. (29 May 2025). V.O.S. Selections, Inc. v. Trump, Nos. 2025-1812 & 2025-1813. Available at: https://www.cafc.uscourts.gov/opinions-orders/25-1812.ORDER.5-29-2025_2522636.pdf

UNITED STATES OF AMERICA: U.S. ADMINISTRATION LIFTS ADDITIONAL DUTIES ON CANADIAN IMPORTS THAT QUALIFY FOR USMCA PREFERENCE

Date Announced: 2025-03-06

Date Published: 2025-03-07

Date Implemented: 2025-03-07

Alert level: **Green**

Intervention Type: **Import tariff**

Affected Counties: **Canada**

On 6 March 2025, the U.S. Administration issued an Executive Order adjusting the additional duties on imports from Canada. The order exempts all goods that qualify for preference under the U.S.-Mexico-Canada Agreement (USMCA) from additional tariffs imposed on 4 March 2025. The decision enters into force on 7 March 2025.

According to the Executive Order, goods that do not satisfy USMCA rules of origin will be subject to 25% additional duties. Energy products and potash imported from Canada but that fall outside the USMCA preference will be subject to 10% additional duties.

Previously, on 1 February 2025, the U.S. Administration announced additional duties on Canadian imports in response to concerns regarding illicit drug trafficking, particularly of fentanyl. Additional duties entered into force on 4 March 2025. The order mandated a 25% additional tariff on Canadian products, and a 10% additional tariff on energy products (see related state act).

While the Executive Order references the automotive industry, its implementation applies broadly to all goods qualifying for USMCA preference. According to a White House statement: "In order to minimize disruption to the U.S. automotive industry and workers, it is appropriate to adjust the tariffs on articles of Canada and Mexico so that they do not bear a disproportionate brunt of Canada and Mexico's failure to respond to the crises at our borders. America's manufacturers, including our automakers, have strengthened our economy and expanded our workforce. Today's actions promote a level playing field for American manufacturers, bringing supply chains closer to home, especially for our auto industry, which has been hit hard by offshoring."

The USMCA covers trade in goods and services across various sectors, including automobiles, agriculture, pharmaceuticals, textiles, digital trade, intellectual property, energy, and manufacturing. It maintains duty-free trade for most goods that meet its Rules of Origin (RoO) and introduces new provisions for labor, environmental standards, and digital commerce. According to the U.S. tariff schedule under the USMCA, the U.S. provided preferences for a total of 5'394 six-digit HS codes to Canada and Mexico.

Source: U.S. White House (6 March 2025), Executive Order, "AMENDMENT TO DUTIES TO ADDRESS THE FLOW OF ILLICIT DRUGS ACROSS OUR NORTHERN BORDER". Available at: <https://www.whitehouse.gov/presidential-actions/2025/03/amendment-to-duties-to-address-the-flow-of-illicit-drugs-across-our-northern-border-0c3c/> U.S. White House (6 March 2025), Fact Sheet, "President Donald J. Trump Adjusts Tariffs on Canada and Mexico to Minimize Disruption to the Automotive Industry". Available at: <https://www.whitehouse.gov/fact-sheets/2025/03/fact-sheet-president-donald-j-trump-adjusts-tariffs-on-canada-and-mexico-to-minimize-disruption-to-the-automotive-industry/> Federal Register (4 March 2025 - Set to be published on 11 March 2025), Notice by the U.S. Customs and Border Protection, Department of Homeland Security, "Amendment to Notice of Implementation of Additional Duties on Products of Canada Pursuant to the President's Executive Order 14193, Imposing Duties to Address the Flow of Illicit Drugs Across Our Northern Border". Available at: <https://public-inspection.federalregister.gov/2025-03901.pdf> Office of the United States Trade Representative (USTR), Trade Agreements – Free Trade Agreements, "Agreement between the United States of America, the United Mexican States, and Canada Text" (Retrieved on 7 March 2025). Available at: <https://ustr.gov/trade-agreements/free-trade-agreements/united-states-mexico-canada-agreement/agreement-between>

UNITED STATES OF AMERICA: U.S. ADMINISTRATION LIFTS ADDITIONAL DUTIES ON MEXICAN IMPORTS THAT QUALIFY FOR USMCA PREFERENCE

Date Announced: 2025-03-06

Date Published: 2025-03-07

Date Implemented: 2025-03-07

Alert level: **Green**

Intervention Type: **Import tariff**

Affected Counties: **Mexico**

On 6 March 2025, the U.S. Administration issued an Executive Order adjusting additional duties on imports from Mexico. The order exempts all goods that qualify for preference under the U.S.-Mexico-Canada Agreement (USMCA) from additional tariffs. The decision takes effect on 7 March 2025.

According to the Executive Order, goods that do not satisfy USMCA rules of origin will be subject to 25% additional duties. Potash imported from Mexico but falling outside the USMCA preference will be subject to 10% additional duties.

Previously, on 1 February 2025, the U.S. Administration announced additional duties on Mexican imports in response to concerns regarding illicit drug trafficking. Additional duties entered into force on 4 March 2025. The order mandated a 25% additional tariff on Mexican products (see related state act).

While the Executive Order references the automotive industry, its implementation applies broadly to all goods qualifying for USMCA preference. According to a White House statement: "In order to minimize disruption to the U.S. automotive industry and workers, it is appropriate to adjust the tariffs on articles of Canada and Mexico so that they do not bear a disproportionate brunt of Canada and Mexico's failure to respond to the crises at our borders. America's manufacturers, including our automakers, have strengthened our economy and expanded our workforce. Today's actions promote a level playing field for American manufacturers, bringing supply chains closer to home, especially for our auto industry, which has been hit hard by offshoring."

The USMCA covers trade in goods and services across various sectors, including automobiles, agriculture, pharmaceuticals, textiles, digital trade, intellectual property, energy, and manufacturing. It maintains duty-free trade for most goods that meet its Rules of Origin (RoO) and introduces new provisions for labor, environmental standards, and digital commerce. According to the U.S. tariff schedule under the USMCA, the U.S. provided preferences for a total of 5'394 six-digit HS codes to Canada and Mexico.

Source: U.S. White House (6 March 2025), Executive Order, "AMENDMENT TO DUTIES TO ADDRESS THE FLOW OF ILLICIT DRUGS ACROSS OUR SOUTHERN BORDER". Available at: <https://www.whitehouse.gov/presidential-actions/2025/03/amendment-to-duties-to-address-the-flow-of-illicit-drugs-across-our-southern-border/> U.S. White House (6 March 2025), Fact Sheet, "President Donald J. Trump Adjusts Tariffs on Canada and Mexico to Minimize Disruption to the Automotive Industry". Available at: <https://www.whitehouse.gov/fact-sheets/2025/03/fact-sheet-president-donald-j-trump-adjusts-tariffs-on-canada-and-mexico-to-minimize-disruption-to-the-automotive-industry/> Federal Register (4 March 2025 - Set to be published on 11 March 2025), Notice by the U.S. Customs and Border Protection, Department of Homeland Security, "U.S. Customs and Border Protection Amendment to Notice of Implementation of Additional Duties on Products of Mexico Pursuant to the President's Executive Order 14194, Imposing Duties to Address the Situation At Our Southern Border". Available at: <https://public-inspection.federalregister.gov/2025-03900.pdf> Office of the United States Trade Representative (USTR), Trade Agreements – Free Trade Agreements, "Agreement between the United States of America, the United Mexican States, and Canada Text" (Retrieved on 7 March 2025). Available at: <https://ustr.gov/trade-agreements/free-trade-agreements/united-states-mexico-canada-agreement/agreement-between>

UNITED STATES OF AMERICA: U.S. ADMINISTRATION INCREASES ADDITIONAL DUTIES ON IMPORTS FROM CHINA

Date Announced: 2025-03-03

Date Published: 2025-03-04

Date Implemented: 2025-03-04

Alert level: **Red**

Intervention Type: **Import tariff**

Affected Counties: **China, Hong Kong**

On 3 March 2025, the U.S. Administration issued an executive order modifying additional duties on Chinese imports. The amendment increases the rate of additional duties from 10% to 20% on all goods from China. Additional duties will take effect on 4 March 2025.

The original duties were imposed on 1 February 2025 through Executive Order 14195 to address the synthetic opioid crisis (see related state act). The amendment states that the crisis has not improved and that China has not taken sufficient enforcement actions.

The executive order stated that: "[T]he failure of the Government of the People's Republic of China (PRC) to act to blunt the sustained influx of synthetic opioids, including fentanyl, flowing from the PRC to the United States constituted an unusual and extraordinary threat, which has its source in substantial part outside the United States, to the national security, foreign policy, and economy of the United States."

Update

On 4 March 2025, the U.S. Customs and Border Protection of the Department of Homeland Security issued a Federal Register notice set to be published on 6 March 2025 on "Implementation of Additional Duties on Products of the People's Republic of China Pursuant to the President's Executive Order 14195, Imposing Duties to Address the Synthetic Opioid Supply Chain in the People's Republic of China".

The notice states that all products from China and Hong Kong will be subject to a 20% additional duty, except for information materials. Informational materials like publications, films, posters, phonograph records, photographs, microfilms, microfiche, tapes, compact disks, CD ROMs, artworks, and news wire feeds from China and Hong Kong will not be subject to additional duties.

On 2 April 2025, the US government issued an executive order that suspends the duty-free treatment for low-value imports from China and Hong Kong (see related state act).

On 28 May 2025, the United States Court of International Trade issued a unanimous decision in the consolidated cases of V.O.S. Selections, Inc. v. United States and State of Oregon v. United States. The suing parties (plaintiffs) challenged the "Worldwide and Retaliatory Tariffs" (also known as the "Liberation Day" reciprocal tariffs), which imposed duties on all imports and increased tariffs on goods from 57 countries, as well as the "Trafficking Tariffs" targeting imports from China, Mexico, and Canada. The court found that these actions exceeded the authority granted under the International Emergency Economic Powers Act (IEEPA) and violated constitutional limits on executive power. It concluded that the claimed threats were either too vague, insufficiently justified, or not clearly connected to the countries subject to the tariffs. As a result, the court declared the tariffs unlawful. Following the ruling, the Trump administration immediately filed an appeal.

On 29 May 2025, the U.S. Court of Appeals for the Federal Circuit granted an immediate administrative stay of the lower court's judgment. This stay temporarily halts the enforcement of the trade court's ruling, allowing the tariffs to remain in effect. The Federal Circuit has consolidated the appeals and set a briefing schedule: plaintiffs are to respond to the government's motion for a stay by 5 June 2025, and the government may file a consolidated reply by 9 June 2025. The court's decision on whether to grant a longer-term stay will follow this briefing.

Source: White House (3 March 2025), Presidential Actions - Executive Order "FURTHER AMENDMENT TO DUTIES ADDRESSING THE SYNTHETIC OPIOID SUPPLY CHAIN IN THE PEOPLE'S REPUBLIC OF CHINA" (Retrieved on 4 March 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/03/further-amendment-to-duties-addressing-the-synthetic-opioid-supply-chain-in-the-peoples-republic-of-china/> United States Court of International Trade. (28 May 2025). V.O.S. Selections, Inc. v. United States; State of Oregon v. United States, Court No. 22-00287. Available at: <https://www.cit.uscourts.gov/sites/cit/files/25-66.pdf> United States Court of Appeals for the Federal Circuit. (29 May 2025). V.O.S. Selections, Inc. v. Trump, Nos. 2025-1812 & 2025-1813. Available at: https://www.ca9.uscourts.gov/opinions-orders/25-1812.ORDER.5-29-2025_2522636.pdf

UNITED STATES OF AMERICA: U.S. ADMINISTRATION ANNOUNCES ADDITIONAL DUTIES AGAINST CANADA

Date Announced: 2025-02-01

Date Published: 2025-02-03

Date Implemented: 2025-03-04

Alert level: **Red**

Intervention Type: **Import tariff**

Affected Counties: **Canada**

On 1 February 2025, the U.S. Administration issued an executive order to impose additional duties on Canadian imports in response to concerns regarding illicit drug trafficking, particularly of fentanyl. The order mandates a 25% additional tariff on Canadian products, while energy and energy resources will be subject to a 10% additional tariff. Details of the executive order will be provided in an upcoming Federal Register notice. Additional duties are set to take effect on 4 February 2025.

The Executive Order states that the influx of illicit opioids has created a public health crisis, straining U.S. healthcare and services. Drug trafficking organizations (DTOs), often working with cartels, use various smuggling routes to flood the U.S. with fentanyl and other drugs. The order argues that Canada's enforcement is insufficient and that the de minimis exemption for international mail has worsened the issue. As a result, immediate action is deemed necessary to curb drug flow and hold Canada accountable.

Additional duties would also apply to imports valued at USD 800 or less. Typically, goods valued below USD 800 qualify for duty-free treatment under the de minimis exemption (19 U.S.C. 1321). However, this exemption would not apply to imports that are subject to additional duties.

The Order states that if Canada takes sufficient enforcement action against illicit drug trafficking, the additional duties may be removed upon the President's determination. However, if Canada retaliates, tariffs could be expanded.

In addition to Canada, the U.S. Administration also announced its intention to impose additional duties on imports from Mexico and China (see related state acts).

Update

On 3 February 2025, the U.S. Customs and Border Protection of the Department of Homeland Security issued a Federal Register notice regarding the "Implementation of Additional Duties on Products of Canada Pursuant to the President's February 1, 2025 Executive Order Imposing Duties to Address the Flow of Illicit Drugs Across Our Northern Border." According to this notice, energy products, namely, "Crude oil, natural gas, lease condensates, natural gas liquids, refined petroleum products, uranium, coal, biofuels, geothermal heat, the kinetic movement of flowing water, and critical minerals" will be subject to an additional 10% duty. All other products will face a 25% additional duty, with limited exceptions, such as informational materials. This notice was later withdrawn.

On 3 February 2025, the U.S. Administration issued an executive order postponing the implementation of additional duties against Canada to 4 March 2025. During this period, U.S. authorities will assess the situation at the northern border. The order states that if illegal migration and illicit drug crises worsen, and if the Government of Canada fails to take sufficient steps to address these crises, the U.S. Administration will respond accordingly, including implementing the additional duties.

On 2 March 2025, the U.S. Administration issued an executive order maintaining de minimis duty-free treatment for Canadian shipments. However, once the Department of Commerce confirms that the necessary systems are in place to effectively collect tariffs, shipments valued below USD 800 will also become subject to the 25% tariff.

On 4 March 2025, the U.S. Customs and Border Protection of the Department of Homeland Security issued a Federal Register notice set to be published on 6 March 2025 on "Implementation of Additional Duties on Products of Canada Pursuant to the President's Executive Order 14193, Imposing Duties to Address the Flow of Illicit Drugs Across Our Northern Border." The notice states that energy products such as crude oil, natural gas, lease condensates, natural gas liquids, refined petroleum products, uranium, coal, biofuels, geothermal heat, the kinetic movement of flowing water, and critical minerals (as defined by 30 U.S.C. 1606(a)(3)) will be subject to an additional 10% duty. Informational materials like publications, films, posters, phonograph records, photographs, microfilms, microfiche, tapes, compact disks, CD ROMs, artworks, and news wire feeds from Canada will not be subject to additional duties. All other products will face a 25% additional duty.

On 6 March 2025, the U.S. Administration issued an executive order exempting all USMCA-compliant goods from additional tariffs. The order maintains tariffs on non-USMCA products (see related state act).

On 24 March 2025, U.S. Customs and Border Protection (CBP) issued a notice (CSMS #64514918) revising the list of Canadian energy and energy resource commodities (see related state act).

On 29 April 2025, the U.S. Administration issued an executive order to prevent the cumulative (or "stacked") application of overlapping tariffs on certain imported goods. The order applies to items covered by multiple trade measures, including tariffs on steel, aluminium, automobiles, and goods linked to border security and drug control efforts involving Canada and Mexico. Under the new mechanism, if a product is subject to national security tariffs on automobiles and parts, only those auto-related tariffs will apply; the other tariff measures listed above will not. Similarly, if a product is covered by tariffs imposed under northern or southern border security-related actions but not by national security tariffs on automobiles and parts, those border security

On 15 May 2025, U.S. Customs and Border Protection (CBP) issued a notice (CSMS #65054354) revising the list of Canadian energy and energy resource commodities (see related state act).

On 28 May 2025, the United States Court of International Trade issued a unanimous decision in the consolidated cases of V.O.S. Selections, Inc. v. United States and State of Oregon v. United States. The suing parties (plaintiffs) challenged the "Worldwide and Retaliatory Tariffs" (also known as the "Liberation Day" reciprocal tariffs), which imposed duties on all imports and increased tariffs on goods from 57 countries, as well as the "Trafficking Tariffs" targeting imports from China, Mexico, and Canada. The court found that these actions exceeded the authority granted under the International Emergency Economic Powers Act (IEEPA) and violated constitutional limits on executive power. It concluded that the claimed threats were either too vague, insufficiently justified, or not clearly connected to the countries subject to the tariffs. As a result, the court declared the tariffs unlawful. Following the ruling, the Trump administration immediately filed an appeal.

On 29 May 2025, the U.S. Court of Appeals for the Federal Circuit granted an immediate administrative stay of the lower court's judgment. This stay temporarily halts the enforcement of the trade court's ruling, allowing the tariffs to remain in effect. The Federal Circuit has consolidated the appeals and set a briefing schedule: plaintiffs are to respond to the government's motion for a stay by 5 June 2025, and the government may file a consolidated reply by 9 June 2025. The court's decision on whether to grant a longer-term stay will follow this briefing.

Source: White House (1 February 2025), Presidential Actions - Executive Order "IMPOSING DUTIES TO ADDRESS THE FLOW OF ILLICIT DRUGS ACROSS OUR NORTHERN BORDER" (Retrieved on 2 February 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/02/imposing-duties-to-address-the-flow-of-illicit-drugs-across-our-national-border/> White House (1 February 2025), Fact Sheets "Fact Sheet: President Donald J. Trump Imposes Tariffs on Imports from Canada, Mexico and China" (Retrieved on 2 February 2025). Available at: <https://www.whitehouse.gov/fact-sheets/2025/02/fact-sheet-president-donald-j-trump-imposes-tariffs-on-imports-from-canada-mexico-and-china/> Federal Register (3 February 2025), Notice by the U.S. Customs and Border Protection, Department of Homeland Security, "U.S. Customs and Border Protection Implementation of Additional Duties on Products of Canada Pursuant to the President's February 1, 2025 Executive Order Imposing Duties to Address the Flow of Illicit Drugs Across Our Northern Border". Available at: <https://public-inspection.federalregister.gov/2025-02291.pdf> White House (3 February 2025), Presidential Actions - Executive Order "Progress on the Situation at Our Northern Border" (Retrieved on 4 February 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/02/progress-on-the-situation-at-our-northern-border/> White House (2 March 2025), Presidential Actions - Executive Order "Amendment to Duties to Address the Flow of Illicit Drugs across our Northern Border" (Retrieved on 3 March 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/03/amendment-to-duties-to-address-the-flow-of-illicit-drugs-across-our-northern-border/> Federal Register (4 March 2025 - Set to be published on 6 March 2025), Notice by the U.S. Customs and Border Protection, Department of Homeland Security, "Implementation of Additional Duties on Products of Canada Pursuant to the President's Executive Order 14193, Imposing Duties to Address the Flow of Illicit Drugs Across Our Northern Border". Available at: <https://public-inspection.federalregister.gov/2025-03664.pdf> U.S. White House (29 April 2025), Executive Order "ADDRESSING CERTAIN TARIFFS ON IMPORTED ARTICLES" (Retrieved on 30 April 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/04/addressing-certain-tariffs-on-imported-articles/> U.S. Customs and Border Protection (CBP) (19 March 2025), CSMS # 64472173 - CORRECTION - GUIDANCE: Energy and Energy Resources from Canada. Available at: <https://content.govdelivery.com/accounts/USDHSCBP/bulletins/3d7c46d> U.S. Customs and Border Protection (CBP) (24 March 2025), CSMS # 64514918 - UPDATE - Energy and Energy Resources from Canada Subject to Additional Duties Pursuant to Executive Order. Available at: <https://content.govdelivery.com/accounts/USDHSCBP/bulletins/3d86b66> United States Court of International Trade. (28 May 2025). V.O.S. Selections, Inc. v. United States; State of Oregon v. United States, Court No. 22-00287. Available at: <https://www.cit.uscourts.gov/sites/cit/files/25-66.pdf> United States Court of Appeals for the Federal Circuit. (29 May 2025). V.O.S. Selections, Inc. v. Trump, Nos. 2025-1812 & 2025-1813. Available at: https://www.ca9.uscourts.gov/opinions-orders/25-1812.ORDER.5-29-2025_2522636.pdf

UNITED STATES OF AMERICA: U.S. ADMINISTRATION ANNOUNCES ADDITIONAL DUTIES AGAINST MEXICO

Date Announced: 2025-02-01

Date Published: 2025-02-03

Date Implemented: 2025-03-04

Alert level: **Red**

Intervention Type: **Import tariff**

Affected Counties: **Mexico**

On 1 February 2025, the U.S. Administration issued an executive order to impose additional duties on Mexican imports in response to concerns over the sustained influx of illegal aliens, illicit opioids, and other drugs. The order mandates a 25% additional tariff on Mexican products included in an upcoming Federal Register notice. These duties will take effect on 4 February 2025.

The Executive Order states that the combined challenges of large-scale illegal migration and rampant illicit drug trafficking have created a severe public health and security crisis, straining U.S. healthcare and services. Drug trafficking organizations (DTOs) and human smuggling networks, often exploiting multiple smuggling routes, have contributed to an overwhelming flow of dangerous substances into the United States. The order argues that Mexico's enforcement efforts have been insufficient and this constitutes an unusual and extraordinary threat to the national security of the United States. As a result, immediate action is deemed necessary to curb drug and human trafficking and hold Mexico accountable.

Additional duties would also apply to imports valued at USD 800 or less. Typically, goods valued below USD 800 qualify for duty-free treatment under the de minimis exemption (19 U.S.C. 1321). However, this exemption would not apply to imports that are subject to additional duties.

The Order states that if Mexico takes sufficient enforcement action against illicit drug trafficking and illegal migration, the additional duties may be removed upon the President's determination. However, if Mexico retaliates, tariffs could be expanded.

In addition to Mexico, the U.S. Administration also announced its intention to impose additional duties on imports from Canada and China (see related state acts).

Update

On 3 February 2025, the U.S. Administration issued an executive order postponing the implementation of additional duties against Mexico to 4 March 2025. During this period, U.S. authorities will assess the situation at the southern border. The order states that if illegal migration and illicit drug crises worsen, and if the Government of Mexico fails to take sufficient steps to address these crises, the U.S. Administration will respond accordingly, including implementing the additional duties.

On 2 March 2025, the U.S. Administration issued an executive order maintaining de minimis duty-free treatment for Mexican shipments. However, once the Department of Commerce confirms that the necessary systems are in place to effectively collect tariffs, shipments valued below USD 800 will also become subject to the 25% tariff.

On 4 March 2025, the U.S. Customs and Border Protection of the Department of Homeland Security issued a Federal Register notice set to be published on 6 March 2025 on "Implementation of Additional Duties on Products of Mexico Pursuant to the President's Executive Order 14194, Imposing Duties to Address the Situation At Our Southern Border".

The notice states that all products will be subject to a 25% additional duty except for information materials. Informational materials like publications, films, posters, phonograph records, photographs, microfilms, microfiche, tapes, compact disks, CD ROMs, artworks, and news wire feeds from Mexico will not be subject to additional duties.

On 6 March 2025, the U.S. Administration issued an executive order exempting all USMCA-compliant goods from additional tariffs. The order maintains tariffs on non-USMCA products (see related state act).

On 29 April 2025, the U.S. Administration issued an executive order to prevent the cumulative (or "stacked") application of overlapping tariffs on certain imported goods. The order applies to items covered by multiple trade measures, including tariffs on steel, aluminium, automobiles, and goods linked to border security and drug control efforts involving Canada and Mexico. Under the new mechanism, if a product is subject to national security tariffs on automobiles and parts, only those auto-related tariffs will apply; the other tariff measures listed above will not. Similarly, if a product is covered by tariffs imposed under northern or southern border security-related actions but not by national security tariffs on automobiles and parts, those border security measures take precedence over the steel and aluminium tariffs. The stated purpose of this policy is to avoid applying multiple overlapping tariffs to the same product while keeping each individual measure in effect.

On 28 May 2025, the United States Court of International Trade issued a unanimous decision in the consolidated cases of V.O.S. Selections, Inc. v. United States and State of Oregon v. United States. The suing parties (plaintiffs) challenged the "Worldwide and Retaliatory Tariffs" (also known as the "Liberation Day" reciprocal tariffs), which imposed duties on all imports and increased tariffs on goods from 57 countries, as well as the "Trafficking Tariffs" targeting imports from China, Mexico, and Canada. The court found that these actions exceeded the authority granted under the International Emergency Economic Powers Act (IEEPA) and violated constitutional limits on executive power. It concluded that the claimed threats were either too vague, insufficiently justified, or not clearly connected to the countries subject to the tariffs. As a result, the court declared the tariffs unlawful. Following the ruling, the Trump administration immediately filed an appeal.

Federal Circuit has consolidated the appeals and set a briefing schedule: plaintiffs are to respond to the government's motion for a stay by 5 June 2025, and the government may file a consolidated reply by 9 June 2025. The court's decision on whether to grant a longer-term stay will follow this briefing.

Source: White House (1 February 2025), Presidential Actions - Executive Order "Imposing Duties to Address the Situation at Our Southern Border" (Retrieved on 3 February 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/02/imposing-duties-to-address-the-situation-at-our-southern-border/> White House (1 February 2025), Fact Sheets "Fact Sheet: President Donald J. Trump Imposes Tariffs on Imports from Canada, Mexico and China" (Retrieved on 2 February 2025). Available at: <https://www.whitehouse.gov/fact-sheets/2025/02/fact-sheet-president-donald-j-trump-imposes-tariffs-on-imports-from-canada-mexico-and-china/> White House (3 February 2025), Presidential Actions - Executive Order "Progress on the Situation At Our Southern Border" (Retrieved on 4 February 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/02/progress-on-the-situation-at-our-southern-border/> White House (2 March 2025), Presidential Actions - Executive Order "Amendment to Duties to Address the Situation at our Southern Border" (Retrieved on 3 March 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/03/amendment-to-duties-to-address-the-situation-at-our-southern-border/> Federal Register (4 March 2025 - Set to be published on 6 March 2025), Notice by the U.S. Customs and Border Protection, Department of Homeland Security, "Implementation of Additional Duties on Products of Mexico Pursuant to the President's Executive Order 14194, Imposing Duties to Address the Situation At Our Southern Border". Available at: <https://public-inspection.federalregister.gov/2025-03665.pdf> U.S. White House (29 April 2025), Executive Order "ADDRESSING CERTAIN TARIFFS ON IMPORTED ARTICLES" (Retrieved on 30 April 2025). Available at: <https://www.whitehouse.gov/presidential-actions/2025/04/addressing-certain-tariffs-on-imported-articles/> United States Court of International Trade. (28 May 2025). V.O.S. Selections, Inc. v. United States; State of Oregon v. United States, Court No. 22-00287. Available at: <https://www.cit.uscourts.gov/sites/cit/files/25-66.pdf> United States Court of Appeals for the Federal Circuit. (29 May 2025). V.O.S. Selections, Inc. v. Trump, Nos. 2025-1812 & 2025-1813. Available at: https://www.cafc.uscourts.gov/opinions-orders/25-1812.ORDER.5-29-2025_2522636.pdf

UNITED STATES OF AMERICA: THE U.S. ADMINISTRATION SUPPORTS REVOCATION OF THE MOST-FAVOURED-NATION TARIFF TREATMENT FOR RUSSIA

Date Announced: 2022-03-11

Date Published: 2022-03-11

Date Implemented: 2022-03-11

Alert level: **Red**

Intervention Type: **Import tariff**

Affected Counties: **Russia**

On 11 March 2022, the G7 leaders issued a joint statement stating their intention to withdraw Most-Favoured-Nation (MFN) tariff treatment for Russia in response to its invasion of Ukraine. As a result, when implemented Russian goods exported to any of the G7 countries may be subject to higher import tariffs.

On the same day, in an Executive Order, the Biden Administration announced its support for revoking Russia's Most Favoured Nation Status. As revocation requires U.S. Congress to act, the Order states: "President Biden will work closely with Congress to deny Russia the benefits of its WTO membership and ensure that Russian imports do not receive most favored nation treatment in our economy. The United States Congress has demonstrated bipartisan leadership to revoke Permanent Normal Trade Relations for Russia, and President Biden looks forward to signing a bill into law."

Furthermore, according to the G7 Leaders' Statement: "We the Leaders of the Group of Seven (G7) will endeavour, consistent with our national processes, to take action that will deny Russia Most-Favoured-Nation status relating to key products. This will revoke important benefits of Russia's membership of the World Trade Organization and ensure that the products of Russian companies no longer receive Most-Favoured-Nation treatment in our economies. We welcome the ongoing preparation of a statement by a broad coalition of WTO members, including the G7, announcing their revocation of Russia's Most-Favoured-Nation status."

Update

On 8 April 2022, the U.S. Administration signed into law H.R. 7108, the "Suspending Normal Trade Relations with Russia and Belarus Act", which revokes the MFN status for Russia and Belarus (see related state act).

Source: U.S. White House, Briefing Room, "FACT SHEET: United States, European Union, and G7 to Announce Further Economic Costs on Russia". Available at: <https://www.whitehouse.gov/briefing-room/statements-releases/2022/03/11/fact-sheet-united-states-european-union-and-g7-to-announce-further-economic-costs-on-russia/> G7 Presidency, Documents, "G7 Leaders' Statement (11 March 2022)". Available at: <https://www.g7germany.de/resource/blob/997532/2014234/39e142fa878dce9e420ef4d29c17969d/2022-03-11-g7-leader-eng-data.pdf?download=1>

UNITED STATES OF AMERICA: PROHIBITION OF CERTAIN TRANSACTIONS IN RESPONSE TO RUSSIAN VIOLATION OF UKRAINE'S SOVEREIGNTY AND TERRITORIAL INTEGRITY

Date Announced: 2022-02-21

Date Published: 2022-02-25

Date Implemented: 2022-02-21

Alert level: **Red**

Intervention Type: **Import ban**

Affected Counties: **Ukraine**

On 21 February 2022, the U.S. Administration issued Executive Order 14065 introducing a set of measures in response to the Russian Federation's recognition of Donetsk People's Republic (DNR) or Luhansk People's Republic (LNR) regions of Ukraine ("Covered Regions"). Specifically, the United States Administration prohibited the importation into the United States, directly or indirectly, of any goods, services, or technology from the Covered Regions. The U.S. Administration also prohibited any approval, financing, facilitation, or guarantee by a U.S. person of a transaction by a foreign person of the transaction described above by a foreign person where the transaction would be prohibited if performed by a U.S. person.

The Executive Order 14065 is based on the finding that Russia's recognition of Covered Regions of Ukraine "contradicts Russia's commitments under the Minsk agreements and further threatens the peace, stability, sovereignty, and territorial integrity of Ukraine, and thereby constitutes an unusual and extraordinary threat to the national security and foreign policy of the United States." Modeled after 2014 Executive Orders that imposed territorial sanctions on Crimea, Executive Order 14065 imposes an embargo on the Covered Regions. For other actions based on the Executive Order 14065, please see related interventions.

Source: The U.S. White House, Briefing Room, Executive Order on Blocking Property of Certain Persons and Prohibiting Certain Transactions With Respect to Continued Russian Efforts to Undermine the Sovereignty and Territorial Integrity of Ukraine. Available at: <https://www.whitehouse.gov/briefing-room/presidential-actions/2022/02/21/executive-order-on-blocking-property-of-certain-persons-and-prohibiting-certain-transactions-with-respect-to-continued-russian-efforts-to-undermine-the-sovereignty-and-territorial-integrity-of-ukraine/> Federal Register, Vol.87, No.36. Executive Order 14065, "Blocking Property of Certain Persons and Prohibiting Certain Transactions With Respect to Continued Russian Efforts To Undermine the Sovereignty and Territorial Integrity of Ukraine". Available at: <https://www.govinfo.gov/content/pkg/FR-2022-02-23/pdf/2022-04020.pdf>

LIST OF ABBREVIATIONS AND TERMS USED

Ad valorem tariff: An ad valorem duty (tariff, charge, and so on) is based on the value of the dutiable item and expressed in percentage terms. For example, a duty of 20 percent on the value of automobiles.

Applied tariff / Applied rates: Duties that are actually charged on imports. These can be below the bound rates.

Aggregation: A process that transforms microdata into aggregate-level information by using an aggregation function such as count, sum average or standard deviation.

Aggregated data: Data generated by aggregating non-aggregated observations according to a well-defined statistical methodology.

Approx.: Short for "approximation", which is a guess of a number that is not exact but that is close.

B: billions (e.g. US\$ 10B)

CAGR: For the purpose of this report, the compound annual growth rate (CAGR) is the annualized average rate of growth of a specific indicator (e.g. imports, proxy prices) between two given years, assuming growth takes place at an exponentially compounded rate. The CAGR between given years X and Z, where $Z - X = N$, is the number of years between the two given years, is calculated as follows:

$$CAGR_{\text{from year X to year Z}} = \left(\frac{Value_{yearZ}}{Value_{yearX}} \right)^{(1/N)} - 1$$

Current US\$: Data reported in current (or "nominal") prices for each year are measured in the prices for that particular year. For example, GDP for 1990 are based on 1990 prices, for 2020 are based on 2020 prices, and so on. Current price series are influenced by the effects of inflation.

Constant US\$: Constant (or "real") price series show the data for each year in the prices of a chosen reference year. For example, reported GDP in constant 2015 prices show data for 2019, 2022, and all other years in 2015 prices. Constant price series are used to measure the true volume growth, i.e. adjusting for the effects of price inflation.

CPI, Inflation: Inflation as measured by the consumer price index reflects the annual percentage change in the cost to the average consumer of acquiring a basket of goods and services that may be fixed or changed at specified intervals, such as yearly.

Country Credit Risk Classification: The Organization for Economic Cooperation & Development (OECD) Country Risk Classification measures the country credit risk and the likelihood that a country will service its external debt. The index uses a scale of eight risk categories to determine a country's credit risk (from 0 to 7: 0 being risk free and 7 represents the highest level of country risk to service its external debt). The country risk classifications are not sovereign risk classifications and therefore should not be compared with the sovereign risk classifications of private credit rating agencies (CRAs).

Country Market: For the purpose of this report, this is the total number of all goods (in US\$ or volume values) which added to the stock of material resources of a country by entering (imports) its economic territory in a certain period of time (often measured over the course of a year).

Competitors: Businesses/companies who compete against each other in the same good market. This may also refer to a country on a global level.

Domestic or foreign goods: Specification of whether the good is of domestic or foreign origin.

Domestic goods: Can be defined as goods originating in the economic territory of a country. In general, goods are considered as originating in the country if they have been wholly obtained in it or were substantially transformed.

Economic territory: The area under the effective economic control of a single government.

Estimation: Estimation is concerned with inference about the numerical value of unknown population values from incomplete data such as a sample.

Foreign goods: Are goods which originate from the rest of the world (including foreign goods in transit through the compiling country) or are obtained under the outward processing procedure, when such processing confers foreign origin (compensating products which changed origin).

Growth rates: refer to the percentage change of a specific variable within a specific time period.

GDP (current US\$): Gross Domestic Product at purchaser's prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in current U.S. dollars. Dollar figures for GDP are converted from domestic currencies using single year official exchange rates. For a few countries where the official exchange rate does not reflect the rate effectively applied to actual foreign exchange transactions, an alternative conversion factor is used.

LIST OF ABBREVIATIONS AND TERMS USED

GDP (constant 2015 US\$): Gross Domestic Product at purchaser's prices is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. Data are in constant 2015 prices, expressed in U.S. dollars. Dollar figures for GDP are converted from domestic currencies using 2015 official exchange rates. For a few countries where the official exchange rate does not reflect the rate effectively applied to actual foreign exchange transactions, an alternative conversion factor is used.

GDP growth (annual %): Annual percentage growth rate of GDP at market prices based on constant local currency. An economy's growth is measured by the change in the volume of its output or in the real incomes of its residents. The 2008 United Nations System of National Accounts (2008 SNA) offers three plausible indicators for calculating growth: the volume of gross domestic product (GDP), real gross domestic income, and real gross national income. The volume of GDP is the sum of value added, measured at constant prices, by households, government, and industries operating in the economy. GDP accounts for all domestic production, regardless of whether the income accrues to domestic or foreign institutions.

Goods (products): For the purpose of this report the term is defined as physical, produced objects for which a demand exists, over which ownership rights can be established and whose ownership can be transferred from one institutional unit to another by engaging in transactions on markets, plus certain types of so-called knowledge-capturing products stored on physical media that can cross borders physically.

Goods in transit: Goods are considered as simply being transported through a country if they (a) enter and leave the compiling country solely for the purpose of being transported to another country, (b) are not subject to halts not inherent to the transportation and (c) can be identified when both entering and leaving the country.

General imports and exports: Are flows of goods entering/leaving the statistical territory of a country applying the general trade system and recorded in compliance with the general and specific guidelines.

General imports consist of:

(a) Imports of foreign goods (including compensating products after outward processing which changed their origin from domestic to foreign) entering the free circulation area, premises for inward processing, industrial free zones, premises for customs warehousing or commercial free zones;

(b) Re-imports of domestic goods into the free circulation area, premises for inward processing or industrial free zones, premises for customs warehousing or commercial free zones.

General exports consist of:

(a) Exports of domestic goods (including compensating products after inward processing which changed their origin from foreign to domestic) from any part of the statistical territory, including free zones and customs warehouses;

(b) Re-exports of foreign goods from any part of the statistical territory, including free zones and customs warehouses.

Global Market: For the purpose of this report, the term represents the sum of imports (either in US\$ or volume terms) of a particular good of all countries who reported these data to the UN Comtrade database. Important to mention, the term doesn't include local production of that good, which may account for a large part. Thus, the term covers only global Imports flow.

The Harmonized Commodity Description and Coding Systems (HS, Harmonized System): an internationally recognized commodity classification developed and maintained by The World Customs Organization (WCO). The system is used by more than 200 countries and economies as a basis for their Customs tariffs and for the collection of international trade statistics. Over 98 % of the merchandise in international trade is classified in terms of the HS. The HS comprises over 5,600 separate groups of goods identified by a 6-digit code, arranged in 99 chapters, grouped in 21 sections.

HS Code: At the international level, the Harmonized System for classifying goods is a six-digit code system (HS code, Commodity Code, Product Code), which can be broken down into three parts. The first two digits (HS-2) identify the chapter the goods are classified in, e.g., 01 Animals; live. The next two digits (HS-4) identify groupings within that chapter (the heading), e.g., 0104 - Sheep and goats; live. The following two digits (HS-6) are even more specific (the subheading), e.g., 010410 - Sheep; live. Up to the HS-6 digit level, all countries classify products in the same way (a few exceptions exist where some countries apply old versions of the HS).

Imports penetration: Import penetration ratios are defined as the ratio between the value of imports as a percentage of total domestic demand. The import penetration rate shows to what degree domestic demand D is satisfied by imports M. It is calculated as M/D , where the domestic demand is the GDP minus exports plus imports i.e. $[D = GDP - X + M]$. From a macroeconomic perspective, a country that produces manufactured goods with a high degree of international competitiveness will see decreasing imports. Under these circumstances, the import penetration rate will fall. Conversely, a country that produces manufactured goods with a low degree of international competitiveness will see increasing imports. In this case, the import penetration will rise. It must be noted, however, that the relationship described here does not always hold. Two factors – Import barriers and transaction costs – may interfere with it. If a country has established import barriers, another country's comparatively better manufactured goods will have little impact on its imports, and its import penetration rate will not rise. Likewise, if transportation and other transaction costs are extremely high for traded goods, differences in international competitiveness may not be reflected in the import penetration rate.

LIST OF ABBREVIATIONS AND TERMS USED

International merchandise trade statistics: Refers to both foreign (or external) merchandise trade statistics as compiled by countries and international merchandise trade statistics as represented by the consolidated and standardized country data sets that are compiled and maintained by the international or regional agencies.

Importer/exporter: In general, refers to the party in the customs territory who signed the contract of purchase/sale and/or who is responsible for executing the contract (i.e., the agent responsible for effecting import into or export from a country). Each importer or exporter is usually assigned a unique identification number.

Imports volume: The number or amount of Imports in general, typically measured in kilograms.

Imputation: Procedure for entering a value for a specific data item where the response is missing or unusable.

Imports value: The price actually paid for all imported units (by quantity unit) of the given commodity (unit price multiplied by quantity), or the cost of the commodity if not sold or purchased.

Institutional unit: The elementary economic decision-making center characterized by uniformity of behavior and decision-making autonomy in the exercise of its principal function.

K: thousand (e.g. US\$ 10K)

Ktons: thousand tons (e.g. 1 Ktons)

LTM: For the purpose of this report, LTM means Last Twelve Months for which the trade data are available. This period may not coincide with calendar period though, which is often the case with the trade data.

Long-term growth rate: For the purpose of this report, it is a metric that is used to express the change in a variable, represented as a percentage, and is used interchangeably with CAGR.

Long-Term: For the purpose of this report, it is equivalent to a period used for calculation of CAGR.

M: million (e.g. US\$ 10M)

Market: For the purpose of this report the terms Market and Imports may be used interchangeably, since both refer to a particular good which is bought and sold in particular country. The distinctive feature is that the Market term includes only imports of a particular good to a particular country. It does not include domestic production of such good or anything else.

Microdata: Data on the characteristics of individual transactions collected by customs or other sources (such as administrative records or surveys) or estimated.

Macrodata: Data derived from microdata by grouping or aggregating them, such as total exports of goods classified in a particular HS subheading.

Mirror statistics: Mirror statistics are used to conduct bilateral comparisons of two basic measures of a trade flow and are a traditional tool for detecting the causes of asymmetries in statistics.

Mean value: The arithmetic mean, also known as "arithmetic average", is a measure of central tendency of a finite set of numbers: specifically, the sum of the values divided by the number of values.

Median value: Is the value separating the higher half from the lower half of a data sample, a population, or a probability distribution.

Marginal Propensity to Import: Is the amount imports increase or decrease with each unit rise or decline in disposable income. The idea is that rising income for businesses and households spurs greater demand for goods from abroad and vice versa.

Trade Freedom Classification: Trade freedom is a composite measure of the absence of tariff and non-tariff barriers that affect imports and exports of goods and services. The trade freedom score is based on two inputs:

The trade-weighted average tariff rate and

Non-tariff barriers (NTBs).

For more information on the methodology, please, visit: <https://www.heritage.org/index/trade-freedom>

Market size (Market volumes): For the purpose of this report, it refers to the total number of specific good (in US\$ or volume values) which added to the stock of relevant material resources in a certain period of time (often measured over the course of a year). This term may refer to country, region, or world (global) levels.

Net weight (kilograms): the net shipping weight, excluding the weight of packages or containers.

LIST OF ABBREVIATIONS AND TERMS USED

OECD: The Organisation for Economic Co-operation and Development (OECD) is an intergovernmental organisation with 38 member countries, founded in 1961 to stimulate economic progress and world trade. It is a forum whose member countries describe themselves as committed to democracy and the market economy, providing a platform to compare policy experiences, seek answers to common problems, identify good practices, and coordinate domestic and international policies of its members. The majority of OECD Members are high-income economies ranked as "very high" in the Human Development Index, and are regarded as developed countries. Their collective population is 1.38 billion. As of 2017, OECD Member countries collectively comprised 62.2% of global nominal GDP (USD 49.6 trillion) and 42.8% of global GDP (Int\$54.2 trillion) at purchasing power parity.

The OECD Country Risk Classification measures the country credit risk and the likelihood that a country will service its external debt. The index uses a scale of eight risk categories to determine a country's credit risk, with 0 representing the lowest level of country risk. For more information, visit <https://www.oecd.org/>

Official statistics: Statistics produced in accordance with the Fundamental Principles of Official Statistics by a national statistical office or by another producer of official statistics that has been mandated by the national government or certified by the national statistical office to compile statistics for its specific domain.

Proxy price: For the purpose of this report, the term is a broad representation of actual price of a specific good in a specific market. Proxy price acts as a substitute for actual price for the reason of being calculated rather than obtained from the market directly. Proxy price implies very closer meaning as unit values used in international trade statistics.

Prices: For the purpose of this report the term always refers to prices on imported goods, except for explicit definitions, e.g. consumer price index.

Production: Economic production may be defined as an activity carried out under the control and responsibility of an institutional unit that uses inputs of labor, capital, and goods and services to produce outputs of goods or services.

Physical volumes: For the purpose of this report, this term indicates foreign trade (imports or exports flows) denominated in units of measure of weight, typically in kilograms.

Quantity units (Volume terms): refer to physical characteristics of goods. The use of appropriate quantity units may also result in more internationally comparable data on international movements of goods, because differences in quantity measurements between the importing country and the exporting country can be less significant than in value measurements. Therefore, quantities are often used in checking the reliability of the value data via the calculation of so-called unit values (value divided by quantity). It is recommended that countries collect or estimate, validate and report quantity information in the World Customs Organization (WCO) standard units of quantity (e.g. kilograms) and in net weight (i.e. not including packaging) on all trade transactions.

RCA Index: Revealed Comparative Advantage Index Comparative advantage underlies economists' explanations for the observed pattern of inter-industry trade. In theoretical models, comparative advantage is expressed in terms of relative prices evaluated in the absence of trade. Since these are not observed, in practice we measure comparative advantage indirectly. Revealed comparative advantage indices (RCA) use the trade pattern to identify the sectors in which an economy has a comparative advantage, by comparing the country of interests' trade profile with the world average. The RCA index is defined as the ratio of two shares. The numerator is the share of a country's total exports of the commodity of interest in its total exports. The denominator is share of world exports of the same commodity in total world exports.

$$RSA = \frac{\sum_d x_{isd} / \sum_d X_{sd}}{\sum_{wd} x_{iwd} / \sum_{wd} X_{wd}},$$

where

s is the country of interest,

d and **w** are the set of all countries in the world,

i is the sector of interest,

x is the commodity export flow and

X is the total export flow.

The numerator is the share of good **i** in the exports of country **s**, while the denominator is the share of good **i** in the exports of the world.

Re-imports: Are imports of domestic goods which were previously recorded as exports.

Re-exports: Are exports of foreign goods which were previously recorded as imports.

LIST OF ABBREVIATIONS AND TERMS USED

Real Effective Exchange Rate (REER): It is an indicator of a nation's competitiveness in relation to its trading partners. It is a measure of the relative strength of a nation's currency in comparison with those of the nations it trades with. It is used to judge whether the nation's currency is undervalued or overvalued or, ideally, fairly valued. Economists use REER to evaluate a country's trade flow and analyze the impact that factors such as competition and technological changes are having on a country and its economy. An increase in a nation's REER means businesses and consumers have to pay more for the products they export, while their own people are paying less for the products that it imports. It is losing its trade competitiveness, but the environment gets more favorable to Imports.

Short-term growth rate: For the purpose of this report, it is a metric that is used to express the change in a variable, represented as a percentage, and used interchangeably with LTM.

Statistical data: Data collected, processed or disseminated by a statistical organization for statistical purposes.

Seasonal adjustment: Statistical method for removing the seasonal component of a time series.

Seasonal component: Fluctuations in a time series that exhibit a regular pattern at a particular time during the course of a year which are similar from one year to another.

Short-Term: For the purpose of this report, it is equivalent to the LTM period.

T: tons (e.g. 1T)

Trade statistics: For the purposes of this report, the term will be used to refer to international, foreign or external merchandise trade statistics, unless otherwise indicated, and the term "merchandise" has the same meaning as the terms, "products", "goods" and "commodities".

Total value: The price actually paid for all units (by quantity unit) of the given commodity (unit price multiplied by quantity), or the cost of the commodity if not sold or purchased.

Re-exports: Are exports of foreign goods which were previously recorded as imports.

Time series: A set of values of a particular variable at consecutive periods of time.

Tariff binding: Maximum duty level on a product listed in a member's schedule of commitments; it represents the commitment not to exceed the duty applied on the concerned product beyond the level bound in the schedule. Once a rate of duty is bound, it may not be raised without compensating the affected parties. For developed countries, the bound rates are generally the rates actually charged. Most developing countries have bound the rates somewhat higher than the actual rates charged, so the bound rates serve as ceilings.

The terms of trade (ToT): is the relative price of exports in terms of imports and is defined as the ratio of export prices to import prices. It can be interpreted as the amount of import goods an economy can purchase per unit of export goods. An improvement of a nation's terms of trade benefits that country in the sense that it can buy more imports for any given level of exports. The terms of trade may be influenced by the exchange rate because a rise in the value of a country's currency lowers the domestic prices of its imports but may not directly affect the prices of the commodities it exports.

Trade Dependence, %GDP: Is the sum of exports and imports of goods and services measured as a share of gross domestic product. This indicator shows to what extent the country's economy relies on foreign trade as compared to its GDP.

US\$: US dollars

WTO: the World Trade Organization (WTO) is an intergovernmental organization that regulates and facilitates international trade. The World Trade Organization (WTO) is the only global international organization dealing with the rules of trade between nations. At its heart are the WTO agreements, negotiated and signed by the bulk of the world's trading nations and ratified in their parliaments. The goal is to ensure that trade flows as smoothly, predictably and freely as possible. With effective cooperation in the United Nations System, governments use the organization to establish, revise, and enforce the rules that govern international trade. It officially commenced operations on 1 January 1995, pursuant to the 1994 Marrakesh Agreement, thus replacing the General Agreement on Tariffs and Trade (GATT) that had been established in 1948. The WTO is the world's largest international economic organization, with 164 member states representing over 98% of global trade and global GDP.

Y: year (e.g. 5Y – five years)

Y-o-Y: Year-over-year (YOY) is a financial term used to compare data for a specific period of time with the corresponding period from the previous year. It is a way to analyze and assess the growth or decline of a particular variable over a twelve-month period.

METHODOLOGY

Following is a list of use cases of application of specific words combinations across the report. The selection is based on calculated values of corresponding indicators.

1. Country Market Trend:

- In case the calculated growth rates for the LTM period exceeded the value of 5Y CAGR by 0.5 percentage points or more, then **"surpassed"** is used, if it was 0.5 percentage points or more lower than 5Y CAGR then it is **"underperformed"**. In case, if the calculated growth rate for the LTM period was within the interval of 5Y CAGR $\pm$ 5 percentage points (including boundary values), then either **"followed"** or **"was comparable to"** is used.

2. Global Market Trends US\$-terms:

- If the "Global Market US\$-terms CAGR, %" value was less than 0%, the **"declining"** is used,
- If the "Global Market US\$-terms CAGR, %" value was more than or equal to 0% and less than 4%, then **"stable"** is used,
- If the "Global Market US\$-terms CAGR, %" value was more than or equal to 4% and less than 6%, then **"growing"** is used,
- If the "Global Market US\$-terms CAGR, %" value was more than 6%, then **"fast growing"** is used.

3. Global Market Trends t-terms:

- If the "Global Market t-terms CAGR, %" value was less than 0%, the **"declining"** is used,
- If the "Global Market t-terms CAGR, %" value was more than or equal to 0% and less than 4%, then **"stable"** is used,
- If the "Global Market t-terms CAGR, %" value was more than or equal to 4% and less than 6%, then **"growing"** is used,
- If the "Global Market t-terms CAGR, %" value was more than 6%, then **"fast growing"** is used.

4. Global Demand for Imports:

- If the calculation of the change in share of a specific product in the total imports of the country was more than 0.5 percentage points, then the **"growing"** was used,
- If the calculation of the change in share of a specific product in the total imports of the country was less than 0.5%, then the **"declining"** was used,
- If the calculation of the change in share of a specific product in the total imports of the country was within the range of $\pm$ 0.5% (including boundary values), then the **"remain stable"** was used,

5. Long-term market drivers:

- **"Growth in Prices accompanied by the growth in Demand"** is used, if the "Global Market t-terms CAGR, %" was more than 2% and the "Inflation 5Y average" was more than 0% and the "Inflation contribution to US\$-term CAGR%" was more than 50%,
- **"Growth in Demand"** is used, if the "Global Market t-terms CAGR, %" was more than 2% and the "Inflation 5Y average" was more than 0% and the "Inflation contribution to US\$-term CAGR%" was less than or equal to 50%,
- **"Growth in Prices"** is used, if the "Global Market t-terms CAGR, %" was more than 0% or less than or equal to 2%, and the "Inflation 5Y average" was more than 4%,
- **"Stable Demand and stable Prices"** is used, if the "Global Market t-terms CAGR, %" was more than or equal to 0%, and the "Inflation 5Y average" was more than of equal to 0% and less than or equal to 4%,
- **"Growth in Demand accompanied by declining Prices"** is used, if the "Global Market t-terms CAGR, %" was more than 0%, and the "Inflation 5Y average" was less than 0%,
- **"Decline in Demand accompanied by growing Prices"** is used, if the "Global Market t-terms CAGR, %" was less than 0%, and the "Inflation 5Y average" was more than 0%,
- **"Decline in Demand accompanied by declining Prices"** is used, if the "Global Market t-terms CAGR, %" was less than 0%, and the "Inflation 5Y average" was less than 0%,

6. Rank of the country in the World by the size of GDP:

- **"Largest economy"**, if GDP (current US\$) is more than 1,800.0 B,
- **"Large economy"**, if GDP (current US\$) is less than 1,800.0 B and more than 1,000.0 B,
- **"Midsize economy"**, if GDP (current US\$) is more than 500.0 B and less than 1,000.0 B,
- **"Small economy"**, if GDP (current US\$) is more than 50.0 B and less than 500.0 B,
- **"Smallest economy"**, if GDP (current US\$) is less than 50.0 B,
- **"Impossible to define due to lack of data"**, if the country didn't provide data.

7. Economy Short Term Growth Pattern:

- **"Fastest growing economy"**, if GDP growth (annual %) is more than 17%,
- **"Fast growing economy"**, if GDP growth (annual %) is less than 17% and more than 10%,
- **"Higher rates of economic growth"**, if GDP growth (annual %) is more than 5% and less than 10%,
- **"Moderate rates of economic growth"**, if GDP growth (annual %) is more than 3% and less than 5%,
- **"Slowly growing economy"**, if GDP growth (annual %) is more than 0% and less than 3%,
- **"Economic decline"**, if GDP growth (annual %) is between -5 and 0%,
- **"Economic collapse"**, if GDP growth (annual %) is less than -5%,
- **"Impossible to define due to lack of data"**, if the country didn't provide data.

8. Classification of countries in accordance to income level. The methodology has been provided by the World Bank, which classifies countries in the following groups:

- **low-income economies** are defined as those with a GNI per capita, calculated using the World Bank Atlas method, of \$1,135 or less in 2022,
- **lower middle-income economies** are those with a GNI per capita between \$1,136 and \$4,465,
- **upper middle-income economies** are those with a GNI per capita between \$4,466 and \$13,845,
- **high-income economies** are those with a GNI per capita of \$13,846 or more,
- **"Impossible to define due to lack of data"**, if the country didn't provide data.

For more information, visit <https://datahelpdesk.worldbank.org>

9. Population growth pattern:

- **"Quick growth in population"**, in case annual population growth is more than 2%,
- **"Moderate growth in population"**, in case annual population growth is more than 0% and less than 2%,
- **"Population decrease"**, in case annual population growth is less than 0% and more than -5%,
- **"Extreme slide in population"**, in case annual population growth is less than -5%,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

10. Short-Term Imports Growth Pattern:

- **"Extremely high growth rates"**, in case if Imports of goods and services (annual % growth) is more than 20%,
- **"High growth rates"**, in case if Imports of goods and services (annual % growth) is more than 10% and less than 20%,
- **"Stable growth rates"**, in case if Imports of goods and services (annual % growth) is more than 0% and less than 10%,
- **"Moderately decreasing growth rates"**, in case if Imports of goods and services (annual % growth) is less than 0% and more than -10%,
- **"Extremely decreasing growth rates"**, in case if Imports of goods and services (annual % growth) is less than -10%,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

11. Country's Short-Term Reliance on Imports:

- **"Extreme reliance"**, in case if Imports of goods and services (% of GDP) is more than 100%,
- **"High level of reliance"**, in case if Imports of goods and services (% of GDP) is more than 50% and less than 100%,
- **"Moderate reliance"**, in case if Imports of goods and services (% of GDP) is more than 30% and less than 50%,
- **"Low level of reliance"**, in case if Imports of goods and services (% of GDP) is more than 10% and less than 30%,
- **"Practically self-reliant"**, in case if Imports of goods and services (% of GDP) is more than 0% and less than 10%,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

12. Short-Term Inflation Profile:

- **"Extreme level of inflation"**, in case if Inflation, consumer prices (annual %) is more than 40%,
- **"High level of inflation"**, in case if Inflation, consumer prices (annual %) is more than 20% and less than 40%,
- **"Elevated level of inflation"**, in case if Inflation, consumer prices (annual %) is more than 10% and less than 20%,
- **"Moderate level of inflation"**, in case if Inflation, consumer prices (annual %) is more than 4% and less than 10%,
- **"Low level of inflation"**, in case if Inflation, consumer prices (annual %) is more than 0% and less than 4%,
- **"Deflation"**, in case if Inflation, consumer prices (annual %) is less than 0%,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

13. Long-Term Inflation Profile:

- **"Inadequate inflationary environment"**, in case if Consumer price index (2010 = 100) is more than 10,000%,
- **"Extreme inflationary environment"**, in case if Consumer price index (2010 = 100) is more than 1,000% and less than 10,000%,
- **"Highly inflationary environment"**, in case if Consumer price index (2010 = 100) is more than 500% and less than 1,000%,
- **"Moderate inflationary environment"**, in case if Consumer price index (2010 = 100) is more than 200% and less than 500%,
- **"Low inflationary environment"**, in case if Consumer price index (2010 = 100) is more than 150% and less than 200%,
- **"Very low inflationary environment"**, in case if Consumer price index (2010 = 100) is more 100% and less than 150%,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

14. Short-term ForEx and Terms of Trade environment:

- **"More attractive for imports"**, in case if the change in Real effective exchange rate index (2010 = 100) is more than 0,
- **"Less attractive for imports"**, in case if the change in Real effective exchange rate index (2010 = 100) is less than 0,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

15. The OECD Country Risk Classification:

- **"Risk free country to service its external debt"**, in case if the OECD Country risk index equals to 0,
- **"The lowest level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 1,
- **"Low level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 2,
- **"Somewhat low level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 3,
- **"Moderate level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 4,
- **"Elevated level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 5,
- **"High level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 6,
- **"The highest level of country risk to service its external debt"**, in case if the OECD Country risk index equals to 7,
- **"Micro state: not reviewed or classified"**, in case of Andorra, Morocco, San Marino, because these are very small countries that do not generally receive official export credit support.
- **"High Income OECD country": not reviewed or classified**, in case of Australia, Austria, Belgium, Croatia, Cyprus, Canada, Chile, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea, Rep., Latvia, Lithuania, Luxembourg, Malta, Netherlands, New Zealand, Norway, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, United Kingdom, United States, because these are high income OECD countries and other high income Euro zone countries that are not typically classified.
- **"Currently not reviewed or classified"**, in case of Barbados, Belize, Brunei Darussalam, Comoros, Dominica, Grenada, Kiribati, Liechtenstein, Macao SAR, China, Marshall Islands, Micronesia, Fed. Sts., Nauru, Palau, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Samoa, Sao Tome and Principe, Seychelles, Sint Maarten, Solomon Islands, Tonga, Tuvalu, Vanuatu, because these countries haven't been classified.
- **"There are no data for the country"**, in case if the country is not being classified.

16. Trade Freedom Classification. The Index of Economic Freedom is a tool for analyzing 184 economies throughout the world. It measures economic freedom based on 12 quantitative and qualitative factors, grouped into four broad categories, or pillars, of economic freedom: (1) Rule of Law (property rights, government integrity, judicial effectiveness), (2) Government Size (government spending, tax burden, fiscal health), (3) Regulatory Efficiency (business freedom, labor freedom, monetary freedom), (4) Open Markets (trade freedom, investment freedom, financial freedom). For the purpose of this report we use the Trade freedom subindex to reflect country's position in the world with respect to international trade.

- **"Repressed"**, in case if the Trade freedom subindex is less than or equal to 50 and more than 0,
- **"Mostly unfree"**, in case if the Trade freedom subindex is less than or equal to 60 and more than 50,
- **"Moderately free"**, in case if the Trade freedom subindex is less than or equal to 70 and more than 60,
- **"Mostly free"**, in case if the Trade freedom subindex is less than or equal to 80 and more than 70,
- **"Free"**, in case if the Trade freedom subindex is less than or equal to 100 and more than 80,
- **"There are no data for the country"**, in case if the country is not being classified.

17. The competition landscape / level of risk to export to the specified country:

- **"risk free with a low level of competition from domestic producers of similar products"**, in case if the RCA index of the specified product falls into the 90th quantile,
- **"somewhat risk tolerable with a moderate level of local competition"**, in case if the RCA index of the specified product falls into the range between the 90th and 92nd quantile,
- **"risk intense with an elevated level of local competition"**, in case if the RCA index of the specified product falls into the range between the 92nd and 95th quantile,
- **"risk intense with a high level of local competition"**, in case if the RCA index of the specified product falls into the range between the 95th and 98th quantile,
- **"highly risky with extreme level of local competition or monopoly"**, in case if the RCA index of the specified product falls into the range between the 98th and 100th quantile,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

18. Capabilities of the local businesses to produce similar competitive products:

- **"low"**, in case the competition landscape is risk free with a low level of competition from domestic producers of similar products,
- **"moderate"**, in case the competition landscape is somewhat risk tolerable with a moderate level of local competition,
- **"promising"**, in case the competition landscape is risk intense with an elevated level of local competition or risk intense with a high level of local competition,
- **"high"**, in case the competition landscape is highly risky with extreme level of local competition or monopoly,
- **"Impossible to define due to lack of data"**, in case there are not enough data.

19. The strength of the effect of imports of particular product to a specified country:

- **"low"**, in case if the share of the specific product is less than 0.1% in the total imports of the country,
- **"moderate"**, in case if the share of the specific product is more than or equal to 0.1% and less than 0.5% in the total imports of the country,
- **"high"**, in case if the share of the specific product is equal or more than 0.5% in the total imports of the country.

20. A general trend for the change in the proxy price:

- **"growing"**, in case if 5Y CAGR of the average proxy prices, or growth of the average proxy prices in LTM is more than 0,
- **"declining"**, in case if 5Y CAGR of the average proxy prices, or growth of the average proxy prices in LTM is less than 0,

21. The aggregated country's ranking to determine the entry potential of this product market:

- **Scores 1-5:** Signifying high risks associated with market entry,
- **Scores 6-8:** Indicating an uncertain probability of successful entry into the market,
- **Scores 9-11:** Suggesting relatively good chances for successful market entry,
- **Scores 12-14:** Pointing towards high chances of a successful market entry.

22. Global market size annual growth rate, the best-performing calendar year:

- **"Growth in Prices accompanied by the growth in Demand"** is used, if the "Country Market t-term growth rate, %" was more than 2% and the "Inflation growth rate, %" was more than 0% and the "Inflation contribution to \$-term growth rate, %" was more than 50%,
- **"Growth in Demand"** is used, if the "Country Market t-term growth rate, %" was more than 2% and the "Inflation growth rate, %" was more than 0% and the "Inflation contribution to \$-term growth rate, %" was less than or equal to 50%,
- **"Growth in Prices"** is used, if the "Country Market t-term growth rate, %" was more than 0% and less than or equal to 2%, and the "Inflation growth rate, %" was more than 4%,
- **"Stable Demand and stable Prices"** is used, if the "Country Market t-term growth rate, %" was more than or equal to 0% and less than or equal to 2%, and the "Inflation growth rate, %" was more than or equal to 0% and less than or equal to 4%,
- **"Growth in Demand accompanied by declining Prices"** is used, if the "Country Market t-term growth rate, %" was more than 0%, and the "Inflation growth rate, %" was less than 0%,
- **"Decline in Demand accompanied by growing Prices"** is used, if the "Country Market t-term growth rate, %" was less than 0%, and the "Inflation growth rate, %" was more than 0%.

23. Global market size annual growth rate, the worst-performing calendar year:

- **“Declining average prices”** is used if “Country Market t term growth rate, % is more than 0%, and “Inflation growth rate, %” is less than 0%
- **“Low average price growth”** is used if “Country Market t term growth rate, % is more than 0%, and “Inflation growth rate, %” is more than 0%,
- **“Biggest drop in import volumes with low average price growth”** is used if “Country Market t term growth rate, % is less than 0%, and “Inflation growth rate, %” is more than 0%,
- **“Decline in Demand accompanied by decline in Prices”** is used if “Country Market t term growth rate, % is less than 0%, and “Inflation growth rate, %” is less than 0%.

24. TOP-5 Countries Ranking:

Top-10 biggest suppliers in last calendar year are being ranked according to 4 components:

1. share in imports in LTM,
2. proxy price in LTM,
3. change of imports in US\$-terms in LTM, and
4. change of imports in volume terms in LTM

Each of the four components ranges from 1 to 10, with 10 being the highest. The aggregated score is being formed as a sum of scores of ranking of each component. However, in case if countries get similar scores, the ranking of the first component prevails in selection.

25. Export potential:

As a part of risks estimation component and business potential of export to the country, a system of ranking has been introduced. It helps to rank a country based on a set of macroeconomic and market / sectoral parameters covered in this report. Seven ranking components have been selected:

1. Long-term trends of Global Demand for Imports (refer to pages 17-20 of the report)
2. Strength of the Demand for Imports in the selected country (refer to pages 22-23 of the report)
3. Macroeconomic risks for Imports in the selected country (refer to pages 22-23 of the report)
4. Market entry barriers and domestic competition pressures for imports of the good (refer to pages 22-24 of the report)
5. Long-term trends of Country Market (refer to pages 26-29 of the report)
6. Short-term trends of Country Market, US\$-terms (refer to pages 30-31 of the report)
7. Short-term trends of Country Market, volumes and proxy prices (refer to pages 32-35 of the report)

Each component includes 4-6 specific parameters. All parameters are evaluated on a scale from 0 to 6, with 0 being the lowest/ less favorable value or characteristic. An aggregated rank is a total country's score that includes scores of each specific ranking component. Each component is evaluated on a scale from 0 to 2, with 0 being the lowest score. The highest possible aggregated country's score is 14 points (up to 2 points for each of 7 ranking components). Aggregated country's rank is a sum of points gained for each ranking component. It ranges from 0 to 14 points. An aggregated rank describes risks and imports potential of the selected country with the selected product.

26. Market volume that may be captured in the mid-term:

The result of the market research is an approximation of the potential supply volume for the specific product in the designated market, provided the continuation of the identified trends in the future. The potential supply volume comprises two components:

1. **Component 1** is related to the ongoing trend in market development. The calculation is based on the anticipated average monthly market growth, derived from the trend observed over the past 24 months (you can find this trend currently calculated for tons on the report page 32). The assumption is that the identified trend will remain unchanged, and the calculated average monthly increase is applied to actual data on the volume of average monthly import supplies over the last 12 months, along with the corresponding average price. Simultaneously, the computation is based on the idea that a new supplier could secure a market share equivalent to the average share held by the top 10 largest suppliers in this market over the past 12 months: The potential supply in dollars per month for a new player, according to Component 1, is calculated by multiplying the following factors: Average monthly volume of imports into the country in tons × Average monthly increase in imports over the last 24 months (month-on-month growth) × Average market share for the top 10 supplying countries × Average import price over the last 12 months. Component 1 could be zero in the event of a negative short-term trend in imports of the specified product into the country over the past 24 months.
2. **Component 2** signifies the extra potential supply linked to the potential strong competitive advantage of the new supplier. Its calculation is based on the factual parameters of supplying countries that have experienced the highest growth in their supplies to the chosen country over the past 12 months. The assumption is that this increase is attributed to their respective competitive advantages. The potential supply volume in dollars per month for a new player, based on Component 2, is calculated by dividing the average increase in imports in tons over the last 12 months compared to the previous 12 months for the top 5 countries that have most increased imports into the country by 12 months. The result is then multiplied by the average import price over the last 12 months.

The total increase is determined by summing the values obtained from the two components.

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Connect with us

EXPORT HUNTER, UAB
Konstitucijos pr.15-69A, Vilnius, Lithuania

sales@gtaic.ai

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