

Agilent Chemical Standards Portfolio Expansion

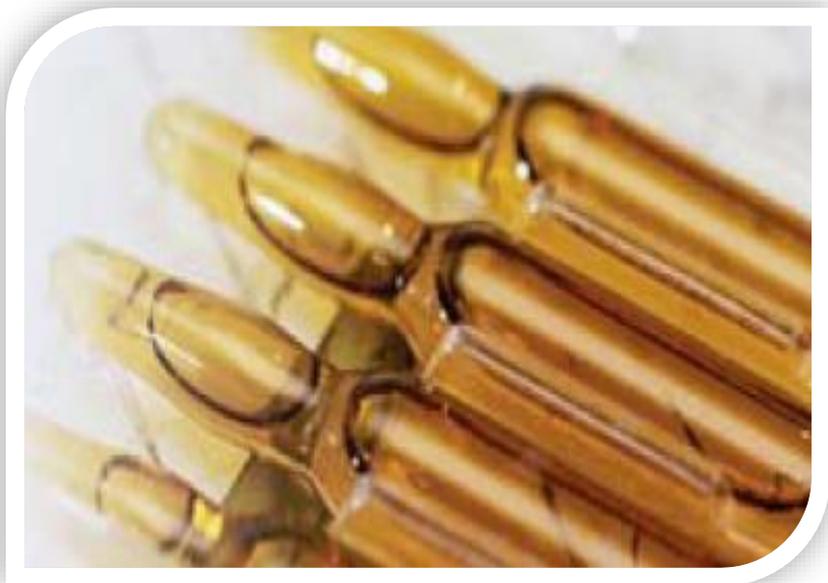
Webinar | Q&A

Mitesh Patel
Frederick Chan
July 11th, 2019



Who was Ultra Scientific?

A leading supplier of analytical standards to companies throughout the world.



- **54 employees**, headquartered in **North Kingstown, RI** with facilities for production, quality control, unitizing, packaging, and customer service
- **~5000** stocked organic and inorganic chemical standards plus custom solutions
- **Long time supplier** of chemical standards and reference standards to Agilent's CSD business
- **Top Tier Accreditation** – ISO 9001, 17025 and **17034**

Product Portfolio

Analytical Standards

Certified Reference Materials
Organic & Inorganic Standards
Calibration Standards
IQ/qq/PQ
Quality Control Check Standards

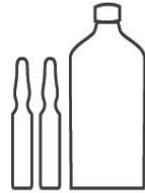
Analytical Solutions

Buffers & Reagents
Diluents & Wash Solutions
ULTRApure Water

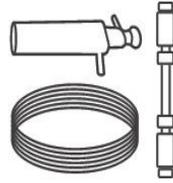
Workflow solutions and applications



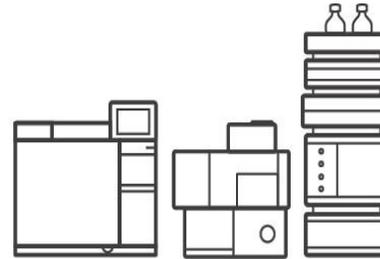
Sample preparation and containment



Chemical standards



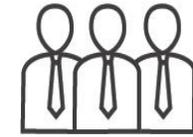
Separation



Detection



Analysis



Services



Environmental



Food / Beverage

The Periodic Table

1 H																	2 He
3 Li	4 Be	Elemental										5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg	13 Al	14 Si	15 P	16 S	17 Cl	18 Ar										
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	57-71 Lanthanides	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	89-103 Actinides	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og
57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu			
89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr			

Agilent Chemical Standards Portfolio – Current and Future

Organic				
Food & Beverage	Environmental	Pharma	Forensics	BioPharma
Allergens	Dioxins	APIs	Drugs of abuse & metabolites	Peptides
Food authenticity	Furans	Excipients	Sports drug & steroids	Glycans
Phenols and aromatic compounds	Polychlorinated Biphenyls	Primary Standards	Pure materials (drug compounds)	Oligos
Dyes	Pesticides			mABs
Amino- and Nitro-Aromatics	Volatile Organic Compounds			Amino Acids
Lipids	Highly Volatile Halocarbons			
PAHs	Hydrocarbons and Petrochemicals			
Vet Drugs	Plasticizers			

Custom Organic and Inorganic Standards!

Available

Inorganic				
Single element	Multi Element	Organometallic	Metals in Biodiesel	Solvents
ICPMS	ICPMS	ICPMS	ICPMS	ICPMS
ICPOES	ICPOES	ICPOES	ICPOES	ICPOES
AA	AA	AA	AA	AA
IC	IC			IC
				LC

Available

Instrument Checkout	Compliance	Tuning	Column Checkout
LC	LC	LCMS	LC
LCMS	LCMS	GCMS	GC
GC	GC	ICPMS	
GCMS	GCMS	ICPOES	
ICPMS	ICPMS	AA	
ICPOES	ICPOES		
AA	AA		
UV-VIS	UV-VIS		
FTIR	FTIR		
CE	CE		
Genomics	Genomics		
LC Columns			
GC Columns			

Available

7,500
ampules produced per day



6,800

standards
in our new
portfolio



90
orders a day
that are processed

3

focus areas - Environmental,
Food, Elemental Analysis



8
Product catalogs ready at launch

Columns that can be bundled with standards

All of them

0

Other standard
manufacturers who
also sell instruments

2-3 days

Average turnaround time on an order *

Chemical Standards catalog products

How to search chemical standard product

Global Search

1. Global search from A.com

- Part number

2. Chemical standard landing page search bar

- Part number
- Part Description
- CAS number
- Analytes name

3. Product categories and sub-categories

- Type of products
- Application
- Similar products

The screenshot shows the Agilent website interface. At the top, there is a navigation bar with the Agilent logo and the tagline "Trusted Answers". To the right, there are links for "ABOUT AGILENT", "CONTACT US", "UNITED STATES", and "LOGIN". A search bar is located in the top right corner, containing the text "All" and "5190-8505", with a "SEARCH" button. Below the navigation bar, there is a main banner image of a green field with a small airplane flying over it. The text on the banner reads "Controlling pesticide contamination in our food" and "READ MORE >". Below the banner, there is a breadcrumb trail "Home > Search". The search results page is displayed, showing a search bar with "5190-8505" and a "SEARCH" button. To the right of the search bar, it says "View per page: 20" and "1 - 19 of 19 results". On the left side, there is a "Refine Results" section with a list of categories: "Shop (1)", "Explore (0)", "Support (18)", and "All (19)". Below this, there is a "Product Category" section with "Chemical Standards (1)", "Lab Supplies (1)", and "ICP-OES (1)". The main content area shows the search results for "5190-8505". The first result is "Praseodymium (Pr) standard, 1,000 µg/mL, in 5% HNO3, 100 mL" with a list price of "59.10 USD". There is a "QTY" input field and an "ADD TO CART" button. Below this, there is a "Certificate of Analysis" section with a PDF icon and the text "5190-8505, Praseodymium Standard: 1000 µg/mL Pr in 5% HNO3, LOT:0014447028, Certificate of Analysis (PDF)". The full text of the certificate of analysis is "5190-8505, Praseodymium Standard: 1000 µg/mL Pr in 5% HNO3, LOT:0014447028, Certificate of Analysis" and "Publication Part Number: 5190-8505 / Created: July 11, 2017 / File Size: 246 KB / English".

For most chemical standards searches:

Type/Select Chemical standards and search

The screenshot displays the Agilent website interface. At the top left is the Agilent logo with the tagline 'Trusted Answers'. The top right contains navigation links: 'ABOUT AGILENT', 'CONTACT US', 'UNITED STATES', and 'LOGIN'. A search bar is positioned in the top right, containing the text 'chemical standard' and a 'SEARCH' button. A dropdown menu below the search bar shows 'Chemical Standards'. Below the navigation is a horizontal menu with categories: 'PRODUCTS', 'SOLUTIONS', 'TRAINING & EVENTS', 'SERVICES', 'SUPPORT', 'RESOURCES', and 'BUY'. The main content area features a large image of a woman's profile with a dark overlay containing the text 'Helping biopharma research fight cancer' and a 'READ MORE >' link. At the bottom, a category bar highlights 'Biopharma Cancer Research' and includes other categories: 'Driving New Quality Standards', 'Improving Lab Economics', 'Analyzing Cell Metabolism', 'Fighting Cancer', 'Controlling Pesticides', and 'Ensuring Public Safety'.

How to go to chemical standard landing page

The screenshot shows the Agilent website's search results page. At the top, the Agilent logo and 'Trusted Answers' tagline are on the left. On the right, there are links for 'ABOUT AGILENT', 'CONTACT US', 'UNITED STATES', and 'LOGIN'. Below these is a search bar with 'chemical standards' entered and a 'SEARCH' button. A navigation bar below the search bar contains links for 'PRODUCTS', 'SOLUTIONS', 'TRAINING & EVENTS', 'SERVICES', 'SUPPORT', 'RESOURCES', and 'BUY', along with a shopping cart icon showing '0' items.

Below the navigation bar, the breadcrumb 'Home > Search' is visible. The main content area features a 'Refine Results' sidebar on the left with expandable sections for 'Product Category', 'Solution Category', 'Mode', 'About Agilent', and 'Language'. The main search results area has a search bar containing 'Chemical Standards' and a 'SEARCH' button. To the right of the search bar, it says 'View per page: 20' and '1 - 20 of 27842 results'.

The first search result is for 'Chemical Standards', featuring a blue-tinted image of chemical structures. The text below the image reads: 'Chemical Standards. With 40+ years of expertise, Agilent has a comprehensive portfolio of food, environment, elemental analysis, instrument performance, and forensic standards. Complete your workflow solution with quality analytical standards from Agilent. If you...'. Below this result is another result for 'Dyes', which includes a product overview image of the Agilent logo, the text 'Dye reference standards for food and drink regulatory testing', and a 'BUY PRODUCTS' button. A 'Quick View' dropdown menu is also visible next to the 'BUY PRODUCTS' button.

A red callout box with a white arrow points to the 'Chemical Standards' result, containing the text: 'Click on Chemical Standards'.

Chemical standard Landing page

Home > Products > Chemical Standards

Chemical Standards

High Quality reference material and certified reference materials for your workflow

With 40+ years of expertise, Agilent has a comprehensive portfolio of food, environment, elemental analysis, Instrument performance, and forensic standard. Complete your workflow solution with quality analytical standards from Agilent. If you cannot find what you are looking for, we can work with you to design and develop a custom standard to your specifications.

Standards Certificate of Analysis Safety Data Sheet

Q CAS#, chemical name, part number SEARCH

Didn't find the standard you need? Our lab is prepared to produce what you need.

REQUEST CUSTOM STANDARD

Search bar

How to go to chemical standard landing page

Agilent | Trusted Answers

ABOUT AGILENT | CONTACT US | UNITED STATES | MY ACCOUNT

All | SEARCH

PRODUCTS | SOLUTIONS | TRAINING & EVENTS | SERVICES | SUPPORT | RESOURCES | BUY | 

[Products](#) > [Columns, Parts & Supplies](#)

Atomic Spectroscopy

[AA Parts & Supplies](#)

[ICP-MS Parts & Supplies](#)

[ICP-OES Parts & Supplies](#)

[MP-AES Parts & Supplies](#)

[See All Products >](#)

[See All Brands >](#)

Gas Chromatography

[GC Columns](#)

[GC Parts & Supplies](#)

[GC/MS Parts & Supplies](#)

Liquid Chromatography

[LC Columns](#)

[LC Parts & Supplies](#)

[LC/MS Parts & Supplies](#)

[GPC/SEC Columns](#)

[GPC/SEC Standards](#)

Molecular Spectroscopy

[UV-Vis & UV-Vis-NIR Parts & Supplies](#)

[FTIR Parts & Supplies](#)

[Fluorescence Parts & Supplies](#)

Lab Supplies & Sample Preparation

[Lab Supplies](#)

[Sample Preparation](#)

[Chemical Standards](#)

Narrow down the search results using filters

Standards Certificate of Analysis Safety Data Sheet

Q Nicotine **SEARCH**

Didn't find the standard you need? Our lab is prepared to produce what you need.

REQUEST CUSTOM STANDARD

Search Results for Nicotine

1 - 4 of 4 results

Filter by: **Analyte** Format Concentration Solvent Agency Method **Filters**

Part Number	Product Description	Concentration	Solvent	Packaging	Your Price	
<input type="checkbox"/> + PSM-101-C	FDA Pesticide GC #3	multiple	Acetone	1 mL Ampule	165.00 USD	<input type="button" value="QTY"/>
<input type="checkbox"/> + TFP-15-1	GB/T 23211 Standard #15	multiple	Acetonitrile	1 mL Ampule	182.00 USD	<input type="button" value="QTY"/>
<input type="checkbox"/> + PST-4230M1000	Nicotine standard	1000 µg/mL	Methanol	1 mL Ampule	29.70 USD	<input type="button" value="QTY"/>
<input type="checkbox"/> + PST-4230A1000	Nicotine standard	1000 µg/mL	Acetonitrile	1 mL Ampule	32.67 USD	<input type="button" value="QTY"/>

Filter Results

Filter by Analyte **Format** Concentration Solvent Agency Method

Format ×

Multi component mixture Single component mixture

Clear All APPLY

Filter Results

Filter by Analyte Format Concentration Solvent Agency Method

Analyte

<input type="checkbox"/> 2,3,5,6-Tetrachloroaniline	<input type="checkbox"/> 4,4'-DDE	<input type="checkbox"/> Aldicarb sulfone	<input type="checkbox"/> Butralin	<input type="checkbox"/> Captan	<input type="checkbox"/> Chlordimeform
<input type="checkbox"/> Chlorfenapyr	<input type="checkbox"/> Chlorthion	<input type="checkbox"/> cis-Chlordane	<input type="checkbox"/> cis-Permethrin	<input type="checkbox"/> Cypermethrin	<input type="checkbox"/> Dicrotophos
<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Fenchlorphos	<input type="checkbox"/> Fenpropidin	<input type="checkbox"/> Flamprop-methyl	<input type="checkbox"/> Gamma-BHC (lindane)	<input type="checkbox"/> Methoxychlor
<input type="checkbox"/> Methyl-pentachlorophenylsulfide	<input type="checkbox"/> MGK-264 (mixed, total)	<input type="checkbox"/> N-1-Naphthylphthalamic acid	<input type="checkbox"/> Napropamide	<input type="checkbox"/> Nicotine	<input type="checkbox"/> o,p'-Methoxychlor
<input type="checkbox"/> Omethoate	<input type="checkbox"/> Pentachlorobenzonitrile	<input type="checkbox"/> Phosalone	<input type="checkbox"/> Pyrethrins	<input type="checkbox"/> Spirodiclofen	<input type="checkbox"/> Temephos
<input type="checkbox"/> Triallate	<input type="checkbox"/> Tris(isobutyl) phosphate				

[Clear All](#) APPLY

Filter Results

Filter by Analyte Format Concentration Solvent Agency Method

Concentration ×

100 µg/mL 1000 µg/mL

Clear All APPLY

Filter Results

Filter by Analyte Format Concentration Solvent Agency Method

Solvent ×

Acetone Acetonitrile Methanol

Clear All APPLY

Filter Results

Filter by

Analyte

Format

Concentration

Solvent

Agency Method

Agency Method

China Standards GB/T 23211

EPA 8270D

Clear All

APPLY

Finding more information of parts

Search Results for Nicotine

1 - 4 of 4 results

Filter by Analyte Format Concentration Solvent Agency Method

Part Number	Product Description	Concentration	Solvent	Packaging	Your Price	
<input type="checkbox"/> - F5M-101-C	FDA Pesticide GC #3	multiple	Acetone	1 mL Ampule	165.00 USD	<input type="button" value="QTY"/>
<p>Components:</p> <ul style="list-style-type: none">Nicotine, 100 µg/mL;Triallate, 100 µg/mL;Dieldrin, 100 µg/mL;more > <p>•</p> <p>Format: Multi component mixture</p> <p>•</p> <p>Solvent: Acetone</p> <p>See all product information ></p>						
<input type="checkbox"/> + TFP-15-1	GB/T 23211 Standard #15	multiple	Acetonitrile	1 mL Ampule	182.00 USD	<input type="button" value="QTY"/>
<input type="checkbox"/> + PST-4230M1000	Nicotine standard	1000 µg/mL	Methanol	1 mL Ampule	29.70 USD	<input type="button" value="QTY"/>
<input type="checkbox"/> + PST-4230A1000	Nicotine standard	1000 µg/mL	Acetonitrile	1 mL Ampule	32.67 USD	<input type="button" value="QTY"/>

Expand and collapse information using + & -

Entry to part number page

Search Results for Nicotine

1 - 4 of 4 results

Filter by	Analyte	Format	Concentration	Solvent	Agency Method	
Part Number	Product Description	Concentration	Solvent	Packaging	Your Price	
<input type="checkbox"/> - PSM-101-C	FDA Pesticide GC #3	multiple	Acetone	1 mL Ampule	165.00 USD	QTY
<p>Components:</p> <ul style="list-style-type: none">Nicotine, 100 µg/mL;Triallate, 100 µg/mL;Dieldrin, 100 µg/mL; <p>Format: Multi component mixture</p> <p>Solvent: Acetone</p>						In Stock
<input type="checkbox"/> + TFP-15-1	GB/T 23211 Standard #15	multiple	Acetonitrile	1 mL Ampule	182.00 USD	QTY
<input type="checkbox"/> + PST-4230M1000	Nicotine standard	1000 µg/mL	Methanol	1 mL Ampule	29.70 USD	QTY
<input type="checkbox"/> + PST-4230A1000	Nicotine standard	1000 µg/mL	Acetonitrile	1 mL Ampule	32.67 USD	QTY

Entry to part number page

[more >](#)

Entry to part number page

[See all product information >](#)

Part number page

Part Number: PSM-101-C

Pesticides

Product Description

FDA Pesticide GC #3

★ Add to Favorites ▾

List Price

List Price:
\$165.00

QTY

ADD TO CART

Product Availability

In Stock

Specifications

Format	Multi component mixture		
Analysis Type	Quantitative		
Standard Concentration	cis-Permethrin: 100 µg/mL o,p'-Methoxychlor: 100 µg/mL Chlorfenapyr: 100 µg/mL Nicotine: 100 µg/mL cis-Chlordane: 100 µg/mL Dieldrin: 100 µg/mL	Cypermethrin: 100 µg/mL Methyl-pentachlorophenylsulfide: 100 µg/mL Captan: 100 µg/mL Gamma-BHC (lindane): 100 µg/mL Pentachlorobenzonitrile: 100 µg/mL Methoxychlor: 100 µg/mL	4,4'-DDE: 100 µg/mL Napropamide: 100 µg/mL MGK-264 (mixed, total): 100 µg/mL Butralin: 100 µg/mL Triallate: 100 µg/mL 2,3,5,6-Tetrachloroaniline: 100 µg/mL
Quality Standard	ISO 17025		
Volume	1 mL		
Chemical Type	Organic		
Solvent	Acetone		
Packaging	Ampule		

Use this back arrow

How to go back to chemical standard landing page

← → ↻ 🏠 <https://www.chem.agilent.com/store/productDetail.jsp?catalogId=PST-4230A1000> 📖 ☆ ⋮

Agilent | Trusted Answers

ABOUT AGILENT ▾ CONTACT US UNITED STATES LOGIN

All ▾ SEARCH

PRODUCTS SOLUTIONS TRAINING & EVENTS SERVICES SUPPORT RESOURCES BUY | 🛒 0

Do not use this

[Home](#) › [Buy](#) › [Chemical Standards](#) › [Environmental](#) › [Pesticides](#) › [PST-4230A1000](#)

Part Number: PST-4230A1000

Pesticides

Nicotine standard

★ [Add to Favorites](#) ▾

List Price:

\$32.67

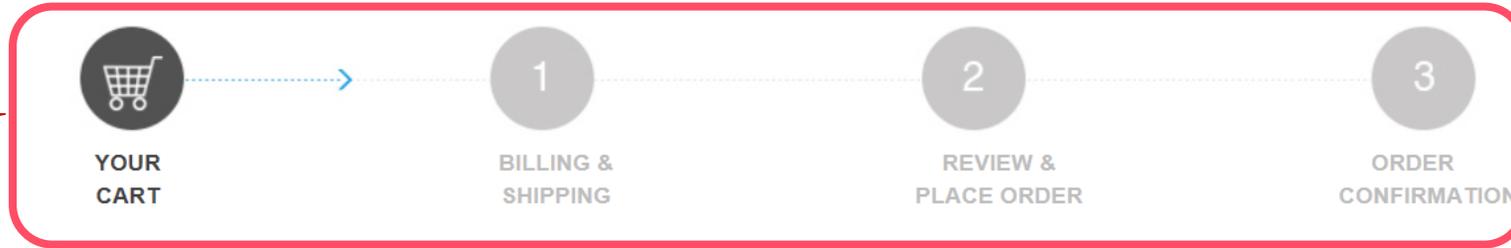
QTY

ADD TO CART

In Stock

Cart

Order processing steps



You have 1 item/items in your cart.

Items will remain in your shopping cart for 30 days. You can [check out](#) or [continue shopping](#) anytime during that period.

[Request Quote](#) | [Redeem Quote](#)

SUBTOTAL of 1 item(s)

\$32.67
USD

START CHECK OUT

Required ecommerce enablement by Agilent

If you are a new user or recently registered user, your discount will be applied by customer service when your account is fully enabled and before processing your order, if any changes in cart please reapply the promotion code(s) **1390**.

ITEM DETAILS

QUANTITY

LIST PRICE

YOUR PRICE

TOTAL

PST-4230A1000
Nicotine standard

1

\$32.67

\$32.67

★ [Add to Favorites](#) ▼ | [Remove from Cart](#)

In Stock – Item available to ship

Selected product information

Insert Promotional code

APPLY

SUBTOTAL OF 1 ITEM(S)

\$32.67
USD

Compare up to four selections

Search Results for Nicotine

1 - 4 of 4 results

Filter by Analyte Format Concentration Solvent Agency Method

Part Number	Product Description	Concentration	Solvent	Packaging	Your Price	
<input checked="" type="checkbox"/> PSM-101-C	FDA Pesticide GC #3	multiple	Acetone	1 mL Ampule	165.00 USD	<input type="text" value="QTY"/>
<input checked="" type="checkbox"/> TFP-15-1	GB/T 23211 Standard #15	multiple	Acetonitrile	1 mL Ampule	182.00 USD	<input type="text" value="QTY"/>
<input checked="" type="checkbox"/> PST-4230A1000	Nicotine standard	1000 µg/mL	Acetonitrile	1 mL Ampule	32.67 USD	<input type="text" value="QTY"/>
<input checked="" type="checkbox"/> PST-4230M1000	Nicotine standard	1000 µg/mL	Methanol	1 mL Ampule	29.70 USD	<input type="text" value="QTY"/>

1 - 4 of 4 results

ADD TO CART

CONNECT WITH AGILENT



AGILENT SOCIAL HUB

ABOUT AGILENT

Newsroom
Company Information
Investor Relations
Careers
Community Relations

RESOURCES

Literature Library
Video Library
Events
E-Seminars
Training Courses
E-Newsletters

SHOPPING TOOLS

Buy Online
Quick Order
My Account
My Favorites
My Orders
Where To Buy

SUPPORT & SERVICES

Agilent Community
Technical Support
On-Site Services
Analytical Instrument Services
Vacuum Product Services



Agilent

Trusted Answers



Headquarters | Other sites
5301 Stevens Creek Blvd.
Santa Clara, CA 95051
United States

Working With Agilent
4 parts selected.

PSM-101-C
FDA Pesticide GC #3

TFP-15-1
GB/T 23211 Standard #15

PST-4230A1000
Nicotine standard

PST-4230M1000
Nicotine standard

COMPARE

Use product comparison tool to narrow down the search results

[Back to Search](#)

For selecting different products for comparison

Part #: **PSM-101-C**

FDA Pesticide GC #3

List Price:

165.00 USD

QTY

ADD TO CART

Part #: **TFP-15-1**

GB/T 23211 Standard #15

List Price:

182.00 USD

QTY

ADD TO CART

Part #: **PST-4230A1000**

Nicotine standard

List Price:

32.67 USD

QTY

ADD TO CART

Part #: **PST-4230M1000**

Nicotine standard

List Price:

29.70 USD

QTY

ADD TO CART

Highlight Differences

Solvent	Acetone	Acetonitrile	Acetonitrile	Methanol
Standard Concentration	<p>2,3,5,6-Tetrachloroaniline: 100 µg/mL</p> <p>4,4'-DDE: 100 µg/mL</p> <p>Butralin: 100 µg/mL</p> <p>Captan: 100 µg/mL</p> <p>Chlorfenapyr: 100 µg/mL</p> <p>Cypermethrin: 100 µg/mL</p> <p>Dieldrin: 100 µg/mL</p>	<p>Aldicarb sulfone: 100 µg/mL</p> <p>Chlordimeform: 100 µg/mL</p> <p>Chlorthion: 100 µg/mL</p> <p>Dicrotophos: 100 µg/mL</p> <p>Fenclorphos: 100 µg/mL</p> <p>Fenpropidin: 100 µg/mL</p> <p>Flamprop-methyl: 100 µg/mL</p>	<p>Nicotine: 1000 µg/mL</p>	<p>Nicotine: 1000 µg/mL</p>
Volume	1 mL	1 mL	1 mL	1 mL

Search using product categories

Standards

Certificate of Analysis

Safety Data Sheet

Q CAS#, chemical name, part number.....

SEARCH

Didn't find the standard you need? Our lab is prepared to produce what you need.

REQUEST CUSTOM STANDARD

Chemical Standards

All Categories

Agency Methods

Biopharma

Column Checkout Standards

Elemental Analysis

Environmental

Food and Beverages

Instrument Calibration

Meters

Petrochemical

Solvents & Additives

Product categories

Promotions

Promotions

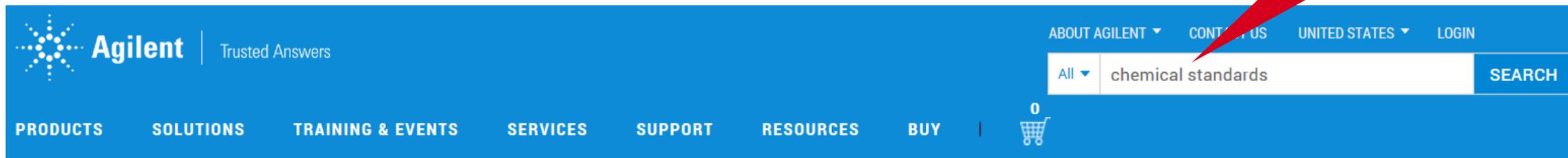


[See All >](#)

Custom Chemical standard Quote request

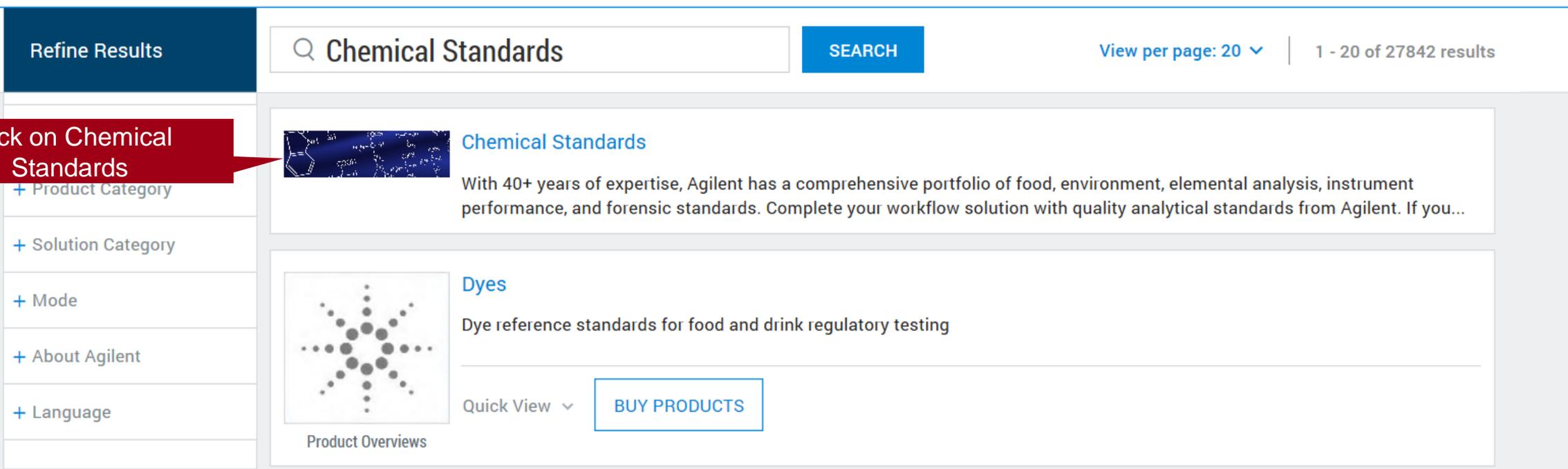
Navigating through website

Type/Select Chemical standards and search



The header features the Agilent logo and tagline 'Trusted Answers' on the left. On the right, there are links for 'ABOUT AGILENT', 'CONTACT US', 'UNITED STATES', and 'LOGIN'. A search bar contains the text 'chemical standards' and a 'SEARCH' button. Below the search bar is a navigation menu with categories: PRODUCTS, SOLUTIONS, TRAINING & EVENTS, SERVICES, SUPPORT, RESOURCES, and BUY. A shopping cart icon with '0' items is also present.

Home > Search



The search results page shows a 'Refine Results' sidebar on the left with expandable categories: Product Category, Solution Category, Mode, About Agilent, and Language. The main content area has a search bar with 'Chemical Standards' and a 'SEARCH' button. To the right, it displays 'View per page: 20' and '1 - 20 of 27842 results'. The first result is 'Chemical Standards', featuring a chemical structure image and a description: 'With 40+ years of expertise, Agilent has a comprehensive portfolio of food, environment, elemental analysis, instrument performance, and forensic standards. Complete your workflow solution with quality analytical standards from Agilent. If you...'. Below this is a 'Dyes' product overview with a starburst icon, a description 'Dye reference standards for food and drink regulatory testing', a 'Quick View' dropdown, and a 'BUY PRODUCTS' button. A 'Product Overviews' link is at the bottom left of the product card.

Click on Chemical Standards

Chemical standard Landing page

Home > Products > Chemical Standards

Chemical Standards

High Quality reference material and certified reference materials for your workflow

With 40+ years of expertise, Agilent has a comprehensive portfolio of food, environment, elemental analysis, Instrument performance, and forensic standard. Complete your workflow solution with quality analytical standards from Agilent. If you cannot find what you are looking for, we can work with you to design and develop a custom standard to your specifications.

Standards Certificate of Analysis Safety Data Sheet

Q CAS#, chemical name, part number SEARCH

Didn't find the standard you need? Our lab is prepared to produce what you need.

REQUEST CUSTOM STANDARD

Custom request button

Required to create Login

Please enter a Login Name

Login

Email Address or Login

Password

Remember me on this computer ([What is this?](#))

LOGIN

Login Help:

- [Forgot my password](#)
- Agilent University customers – this account is in addition to your Agilent University account and is required to purchase Agilent University Training Credits.
- All AATI users, please reset your password first time you log in to Agilent.com.
- [Register with Agilent](#)

Not Registered?

- [View Pricing](#)
- [Place Online Orders](#)
- [Track Orders](#)

REGISTER

Two Options for Requesting Custom Quote

PRODUCTS

SOLUTIONS

TRAINING & EVENTS

SERVICES

SUPPORT

RESOURCES

BUY



Home > Products > Chemical Standards > Request Custom Standards

Request Custom Standards

Get Started

If our catalog of off-the-shelf standards does not support your application need, we are happy to make custom standards for you. You will receive a quote once you submit your recipe.

Choose how to get started below:

 **Enter a new recipe**
Enter a new custom recipe using the entry form.

GET STARTED

Click here

 **Modify the recipe of an existing product**
Modify the recipe of a chemical standard from our catalog using its part number. (The recipe form will be pre-populated based on the part number you enter.)

Part Number

GET STARTED

Enter New Recipe

[< Back](#)

Request Custom Standards

Enter Your Recipe

Quality Control Validation Options:

- Level I : ISO 17034 Agilent Technologies Reference Material [?](#)
- Level II : ISO 17034 Agilent Technologies Reference Material [?](#)
- Level III : ISO 17034 Agilent Technologies Certified Reference Material [?](#)

Detail information on Quality level

1) Select Quality level

2) Select product class and type; Solution, Neat or Linearity Kit.

3) Select/Enter Analytes, concentration, unit

4) Add lines to add more analytes

5) Select/Enter quantity and fill size

6) Select/Enter Matrix (Solvent)

Product Class * Chemical Type *

Analyte No	Analyte Name/Description *	CAS Number *	Concentration *	Unit *
1	<input type="text" value="met"/> Methothirn	<input type="text"/>	<input type="text"/>	<input type="text" value="µg/mL"/>
2	Methyl tetradecanoate Methylphenidate hcl Methyltin trichloride	<input type="text"/>	<input type="text"/>	<input type="text" value="µg/mL"/> <input type="button" value="🗑"/>
3	Methacrolein Methyl-cis-9-tetradecenoate Metazachlor	<input type="text"/>	<input type="text"/>	<input type="text" value="µg/mL"/> <input type="button" value="🗑"/>
4	Methyl styrene Methyltin trichloride (as methyltin) Methylcyclohexane Metalaxyl-M	<input type="text"/>	<input type="text"/>	<input type="text" value="µg/mL"/> <input type="button" value="🗑"/>

+ ADD

Quantity * Fill Size *

Matrix *

Unit of Measure
µg/mL
mg/mL
% (w/w)
% (v/v)

Note: No preview of quote before the submission

Custom Recipe; Match to Exact Catalog Part Number

PRODUCTS

SOLUTIONS

TRAINING & EVENTS

SERVICES

SUPPORT

RESOURCES

BUY



[Home](#) > [Products](#) > [Chemical Standards](#) > [Request Custom Standards](#)

[< Back to edit recipe](#)

Request Custom Standards

Exact Match Found in Catalog

We found an off-the-shelf standard in our catalog that matches your recipe exactly. Order now to save time and cost.



PST-4230A1000

Nicotine standard

• **Analyte:** Nicotine

• **Solvent:** Acetonitrile

• **Format:** Single component mixture

• **CAS Number:** 54-11-5

• **Standard Concentration:** Nicotine: 1000 µg/mL

List Price: **32.67 USD**

QTY

ADD TO CART

Similar Matched products

Based on analytes comparison

Matrix and concentration are excluded in similar matches

[< Back to edit recipe](#)

Request Custom Standards

Similar Products Found in Catalog

We found off-the-shelf standards in our catalog that closely match your recipe. Would one of these work for you? Ordering off-the-shelf products is always faster and cheaper.
If these products do not meet your needs, you can still proceed to view your quote.

AM-100-1 Compare

 Benzene

- Analyte: Benzene
- Format: Single component mixture
- CAS Number: 71-43-2
- Standard Concentration: Benzene: 100 µg/mL

Solvent: Methanol

QTY **REQUEST QUOTE**

EPA-1003-1 Compare

 Benzene

- Analyte: Benzene
- Format: Single component mixture
- CAS Number: 71-43-2
- Standard Concentration: Benzene: 5000 µg/mL

Solvent: Methanol

QTY **REQUEST QUOTE**

RAB-041 Compare

 Benzene

- Analyte: Benzene
- Format: Neat
- CAS Number: 71-43-2
- Standard Concentration: Benzene: 100 mg

QTY **REQUEST QUOTE**

RAB-041M1000 Compare

 Benzene

- Analyte: Benzene
- Format: Single component mixture
- Standard Concentration: Benzene: 100 mg

Solvent: Methanol

QTY **REQUEST QUOTE**

None of the results work for you? You can proceed with your custom request.

CUSTOM REQUEST

2 parts selected. Clear All

 AM-100-1 Benzene ×  EPA-1003-1 Benzene × **COMPARE**

Use product comparison tool to narrow down the search results

Open on new page

Part #: AM-100-1

Benzene standard

Your Price:

14.85 USD

QTY

ADD TO CART

Part #: EPA-1003-1

Benzene standard

Your Price:

31.48 USD

QTY

ADD TO CART

Part #: RAB-041

Benzene

Your Price:

45.78 USD

QTY

ADD TO CART

Part #: SCA-312-1

Residual Solvents

Your Price:

138.00 USD

QTY

ADD TO CART

Highlight Differences

Solvent	Methanol	Methanol	--	Triacetin
Standard Concentration	Benzene: 100 µg/mL	Benzene: 5000 µg/mL	Benzene: 100 mg	1,2-Dichloroethane: 100 µg/mL Benzene: 100 µg/mL Chloroform: 500 µg/mL Trichloroethene: 500 µg/mL
Volume	1 mL	1 mL	100 mg	1 mL

Confirmation of Quote request

Request Custom Standards

Recipe Received

Thank you for your custom request. Your custom quote request has been received, and a quote will be emailed to you upon completion. If there are additional clarifications needed on your request, an Agilent representative will reach out to you. If you have any additional questions or concerns for your quote, please email tech.ari@agilent.com.

tech.ari@Agilent.com

[REQUEST ANOTHER QUOTE](#)

[VIEW STANDARDS PORTFOLIO](#)

Your Custom Standard Recipe

	Analyte Name	CAS#	Concentration
1	Nicotine	54-11-5	1000000 µg/mL
2	Dibromoacetic acid	631-64-1	1000000 µg/mL

Solvent	Methanol <i>Agilent may be required to change the matrix ratio, or add a cosolvent in order to achieve total solubility. The true matrix will be reported on the Certificate of Analysis.</i>
Fill Size	1 mL
Quantity	1
Shelf Life	12 Months

You will also receive an email confirmation

Add the “My Quotes” page display for order placement

My Quotes

To retrieve a quote, provide a quote number or select a 30, 60 or 90 day history or a date range.

To place an order, or to view the contents of the quote, click the quote number. Expired quotes can be extended by clicking the Review link or by calling Agilent at 800-227-9770 (option 1 then option 1 again) in the U.S. and Canada or your Agilent sales representative or authorized distributor.

Quote Number

Last 30 Days Last 60 Days Last 90 Days

Date From Date To

ITEM	QUOTE NUMBER	DATE	STATUS	NET AMOUNT	
1	0002345919	08/31/2017	ACTIVE	431,08 EUR	<input type="button" value="VIEW"/> <input type="button" value="EMAIL >"/> <input type="button" value="BUY >"/>
2	0002345862	08/24/2017	ACTIVE	4 937,52 EUR	<input type="button" value="VIEW"/> <input type="button" value="EMAIL >"/> <input type="button" value="BUY >"/>
3	0002345860	08/24/2017	ACTIVE	431,08 EUR	<input type="button" value="VIEW"/> <input type="button" value="EMAIL >"/> <input type="button" value="BUY >"/>

Review your Quote history on
“My Quotes”

Linearity Kit

Select Linearity Kit

Linearity Kit

Organic

Kit Component 1

Analyte No	Analyte Name/Description *	CAS Number *	Concentration *	Unit *
1	Nicotine	54-11-5	50	µg/mL
2	Fenuron	101-42-8	100	µg/mL
3	m-Cymene	535-77-3	50	µg/mL
4	Nitralin	4726-14-1	100	µg/mL

+ ADD

Quantity *

1

Fill Size *

1 mL

MATRIX

Kit Component 2

Analyte No	Analyte Name/Description *	CAS Number *	Concentration *	Unit *
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ADD KIT COMPONENT

Two Options for Requesting Custom Quote

PRODUCTS

SOLUTIONS

TRAINING & EVENTS

SERVICES

SUPPORT

RESOURCES

BUY



Home > Products > Chemical Standards > Request Custom Standards

Request Custom Standards

Get Started

If our catalog of off-the-shelf standards does not support your application need, we are happy to make custom standards for you. You will receive a quote once you submit your recipe.

Choose how to get started below:

 <p>Enter a new recipe Enter a new custom recipe using the entry form.</p>	<p>GET STARTED</p>
 <p>Modify the recipe of an existing product Modify the recipe of a chemical standard from our catalog using its part number. (The recipe form will be pre-populated based on the part number you enter.)</p>	<p>Part Number</p> <input data-bbox="1327 1021 1694 1085" type="text" value="DWM-615-1"/> <p>GET STARTED</p>

Enter Catalog or Custom part number

Modify catalog product

Pre populated recipe

Analyte No	Analyte Name/Description *	CAS Number *	Concentration *	Unit *
1	<input type="text" value="Dibromomethane"/>	<input type="text" value="74-95-3"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
2	<input type="text" value="1,1-Dichloroethane"/>	<input type="text" value="75-34-3"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
3	<input type="text" value="Carbon tetrachloride"/>	<input type="text" value="56-23-5"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
4	<input type="text" value="Bromochloromethane"/>	<input type="text" value="74-97-5"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
5	<input type="text" value="Bromoform"/>	<input type="text" value="75-25-2"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
6	<input type="text" value="2,2-Dichloropropane"/>	<input type="text" value="594-20-7"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
7	<input type="text" value="Chloroform"/>	<input type="text" value="67-66-3"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
8	<input type="text" value="1,1,1-Trichloroethane"/>	<input type="text" value="71-55-6"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>
9	<input type="text" value="Tetrachloroethene"/>	<input type="text" value="127-18-4"/>	<input type="text" value="2000"/>	<input type="text" value="µg/mL"/>

Delete/Add analytes,
Change concentration,
unit, Matrix or Quality
level

Quantity *

Fill Size *

Matrix *

Summary

- Agilent now offers standards in Environmental, Food and Elemental analysis market
- Enhanced web experience; Improved product searchability, CoA and Safety Data Sheet
- Online custom ordering capabilities; Faster quote turn around time, minimize errors
- Dedicated technical support team with 20+ years of experience

Questions ?