

# **White paper drafted under the European Markets in Crypto- Assets Regulation (EU) 2023/1114 for FFG 7PQ1242P3**

# Preamble

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## **01. Date of notification**

2025-08-22

## **02. Statement in accordance with Article 6(3) of Regulation (EU) 2023/1114**

This crypto-asset white paper has not been approved by any competent authority in any Member State of the European Union. The person seeking admission to trading of the crypto-asset is solely responsible for the content of this crypto-asset white paper.

## **03. Compliance statement in accordance with Article 6(6) of Regulation (EU) 2023/1114**

This crypto-asset white paper complies with Title II of Regulation (EU) 2023/1114 of the European Parliament and of the Council and, to the best of the knowledge of the management body, the information presented in the crypto-asset white paper is fair, clear and not misleading and the crypto-asset white paper makes no omission likely to affect its import.

## **04. Statement in accordance with Article 6(5), points (a), (b), (c), of Regulation (EU) 2023/1114**

The crypto-asset referred to in this crypto-asset white paper may lose its value in part or in full, may not always be transferable and may not be liquid.

## **05. Statement in accordance with Article 6(5), point (d), of Regulation (EU) 2023/1114**

Since the token has multiple functions (hybrid token), these are already conceptually not utility tokens within the meaning of the MiCAR within the definition of Article 3, 1. (9), due to the necessity "exclusively" being intended to provide access to a good or a service supplied by its issuer only.

## **06. Statement in accordance with Article 6(5), points (e) and (f), of Regulation (EU) 2023/1114**

The crypto-asset referred to in this white paper is not covered by the investor compensation schemes under Directive 97/9/EC of the European Parliament and of the Council or the deposit guarantee schemes under Directive 2014/49/EU of the European Parliament and of the Council.

### **Summary**

## **07. Warning in accordance with Article 6(7), second subparagraph, of Regulation (EU) 2023/1114**

Warning: This summary should be read as an introduction to the crypto-asset white paper. The prospective holder should base any decision to purchase this crypto-asset on the content of the crypto-asset white paper as a whole and not on the summary alone. The offer to the public of this crypto-asset does not constitute an offer or solicitation to purchase financial instruments and any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law. This crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 of the European Parliament and of the Council or any other offer document pursuant to union or national law.

## **08. Characteristics of the crypto-asset**

The TREE tokens referred to in this white paper are crypto-assets other than EMTs and ARTs, and are issued on the Ethereum and BNB Smart Chain network (2025-08-20 and according to DTI FFG shown in F.14).

The initial production of the (total) 1,000,000,000 tokens (the so-called "mint") took place on Ethereum at 2025-06-18 6:48:35 (see transaction: <https://etherscan.io/tx/0xd3cef551990360947422792f5bfa90a9d70e87cdaea27705ff7dd2d7ce157612>)

The first activity on BNB Smart Chain can be detected on 2025-07-18 16:42:33 (see transaction:

<https://bscscan.com/tx/0xd64af3fcf3fb51a0272272acb03195f60ad44a3db34b62a3dce8cce7dbf849c5>).

## **09. Information about the quality and quantity of goods or services to which the utility tokens give access and restrictions on the transferability**

Not applicable.

## **10. Key information about the offer to the public or admission to trading**

Crypto Risk Metrics GmbH is seeking admission to trading on any Crypto Asset Service Provider platform in the European Union in accordance to Article 5 of REGULATION (EU) 2023/1114 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 2023 on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937. In accordance to Article 5(4), this crypto-asset white paper may be used by entities admitting the token to trading after Crypto Risk Metrics GmbH as the person responsible for drawing up such white paper has given its consent to its use in writing to the respective Crypto Asset Service Provider. If a CASP wishes to use this white paper, inquiries can be made under [info@crypto-risk-metrics.com](mailto:info@crypto-risk-metrics.com).

## **Part A – Information about the offeror or the person seeking admission to trading**

### **A.1 Name**

Crypto Risk Metrics GmbH

### **A.2 Legal form**

2HBR

**A.3 Registered address**

DE, Lange Reihe 73, 20099 Hamburg, Germany

**A.4 Head office**

Not applicable.

**A.5 Registration date**

2018-12-09

**A.6 Legal entity identifier**

39120077M9TG001FE248

**A.7 Another identifier required pursuant to applicable national law**

Crypto Risk Metrics GmbH is registered with the commercial register in the the city of Hamburg, Germany, under number HRB 154488.

**A.8 Contact telephone number**

+4915144974120

**A.9 E-mail address**

info@crypto-risk-metrics.com

**A.10 Response time (Days)**

030

**A.11 Parent company**

Not applicable.

**A.12 Members of the management body**

| Name       | Position | Address                                   |
|------------|----------|-------------------------------------------|
| Tim Zölitz | Chairman | Lange Reihe 73, 20099<br>Hamburg, Germany |

**A.13 Business activity**

Crypto Risk Metrics GmbH is a technical service provider, who supports regulated entities in the fulfillment of their regulatory requirements. In this regard, Crypto Risk Metrics GmbH acts as a data-provider for ESG-data according to article 66 (5). Due to the regulations laid out in article 5 (4) of the REGULATION (EU) 2023/1114 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 2023 on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937, Crypto Risk Metrics GmbH aims at providing central services for crypto-asset white papers in order to minimize market confusion due to conflicting white papers for the same asset.

**A.14 Parent company business activity**

Not applicable.

**A.15 Newly established**

Crypto Risk Metrics GmbH has been established since 2018 and is therefore not newly established (i. e. older than three years).

**A.16 Financial condition for the past three years**

Crypto Risk Metrics GmbH's profit after tax for the last three financial years are as follows:

2024 (unaudited): negative 50.891,81 EUR

2023 (unaudited): negative 27.665,32 EUR

2022: 104.283,00 EUR.

As 2023 and 2024 were the years building Software for the MiCAR-Regulation which was not yet in place, revenue streams from these investments are expected to be generated in 2025.

**A.17 Financial condition since registration**

This point would only be applicable if the company were newly established and the financial conditions for the past three years had not been provided in the bulletpoint before.

**Part B – Information about the issuer, if different from the offeror or person seeking admission to trading****B.1 Issuer different from offeror or person seeking admission to trading**

Yes

**B.2 Name**

Treehouse Labs Limited

**B.3 Legal form**

6EH6

**B.4. Registered address**

VG-TT, Road Town, Tortola, Wattley Building, 2nd Floor, 160 Main Street, PO Box 3410

**B.5 Head office**

VG-TT, Road Town, Tortola, Wattley Building, 2nd Floor, 160 Main Street, PO Box 3410

**B.6 Registration date**

2021-10-01

**B.7 Legal entity identifier**

Not applicable.

**B.8 Another identifier required pursuant to applicable national law**

Not applicable.



**B.9 Parent company**

Treehouse Foundation

**B.10 Members of the management body**

| Name                                | Function | Business address                                                                        |
|-------------------------------------|----------|-----------------------------------------------------------------------------------------|
| Maria Elena Mata Donado<br>De Toral | Director | PA-8, City of Panama,<br>Torre Advanced Building,<br>1st floor, Ricardo Arias<br>Street |
| Veronica Camano                     | Director | PA-8, City of Panama,<br>Torre Advanced Building,<br>1st floor, Ricardo Arias<br>Street |

**B.11 Business activity**

Treehouse Labs Limited acting as the issuer of the crypto-asset referred to in this white paper.

**B.12 Parent company business activity**

Could not be found while drafting this white paper (2025-08-21).

**Part C – Information about the operator of the trading platform in cases where it draws up the crypto-asset white paper and information about other persons drawing the crypto-asset white paper pursuant to Article 6(1), second subparagraph, of Regulation (EU) 2023/1114**

**C.1 Name**

Not applicable.

**C.2 Legal form**

Not applicable.

**C.3 Registered address**

Not applicable.

**C.4 Head office**

Not applicable.

**C.5 Registration date**

Not applicable.

**C.6 Legal entity identifier**

Not applicable.

**C.7 Another identifier required pursuant to applicable national law**

Not applicable.

**C.8 Parent company**

Not applicable.

**C.9 Reason for crypto-Asset white paper Preparation**

Not applicable.

**C.10 Members of the Management body**

Not applicable.

**C.11 Operator business activity**

Not applicable.

**C.12 Parent company business activity**

Not applicable.

**C.13 Other persons drawing up the crypto-asset white paper according to Article 6(1), second subparagraph, of Regulation (EU) 2023/1114**

Not applicable.

**C.14 Reason for drawing the white paper by persons referred to in Article 6(1), second subparagraph, of Regulation (EU) 2023/1114**

Not applicable.

## **Part D – Information about the crypto-asset project**

**D.1 Crypto-asset project name**

Long Name: Treehouse, Short Name: TREE according to the Digital Token Identifier Foundation ([www.dtif.org](http://www.dtif.org), DTI see F.13, FFG DTI see F.14 as of 2025-08-20).

**D.2 Crypto-assets name**

See F.13.

**D.3 Abbreviation**

See F.13.

**D.4 Crypto-asset project description**

Treehouse is a decentralized protocol intended to create a fixed income layer within the digital asset ecosystem. The protocol aims to provide yield-bearing instruments and transparent benchmark rates derived through consensus mechanisms. These rates are designed to serve as references for pricing and settlement of interest rate-sensitive products. The TREE token is intended to function within this ecosystem as a governance and instrument, allowing holders to participate in protocol decision-making, to pay for data access, and, in defined cases, to support the rate-setting process through staking. The development and effectiveness of these functionalities remain subject to continued adoption, technical reliability, and market acceptance, all of which involve significant uncertainties and risks.

#### D.5 Details of all natural or legal persons involved in the implementation of the crypto-asset project

| Name                                | Function         | Business address                                                                              |
|-------------------------------------|------------------|-----------------------------------------------------------------------------------------------|
| Maria Elena Mata Donado<br>De Toral | Director         | PA-8, City of Panama,<br>Torre Advanced Building,<br>1st floor, Ricardo Arias<br>Street       |
| Veronica Camano                     | Director         | PA-8, City of Panama,<br>Torre Advanced Building,<br>1st floor, Ricardo Arias<br>Street       |
| Treehouse Labs Limited              | Issuer           | VG-TT, Road Town, Tortola,<br>Wattley Building, 2nd<br>Floor, 160 Main Street, PO<br>Box 3410 |
| Treehouse Foundation                | Parent of Issuer | Not available                                                                                 |
| Gaia Labs Corp                      | Unclear          | PA-8, City of Panama,<br>Torre Advanced Building,<br>1st floor, Ricardo Arias<br>Street       |

#### D.6 Utility Token Classification

The token does not classify as a utility token.

#### D.7 Key Features of Goods/Services for Utility Token Projects

Not applicable.

## **D.8 Plans for the token**

In the past, the TREE token has been introduced with the intention to serve as the governance and instrument of the Treehouse protocol, accompanying the deployment of core functionalities such as staking-based participation in the Decentralized Offered Rates mechanism and initial community-related activities. These measures have primarily served to establish the token within the protocol framework and to enable its technical integration into early ecosystem components.

Looking forward, the TREE token is expected to play a role in the planned expansion of protocol functionalities, including the broader use of decentralized benchmark rates and the intended integration of protocol assets into additional decentralized finance platforms. Furthermore, the token is anticipated to remain central to governance processes and may continue to be used in connection with future product integrations or ecosystem developments. It must be emphasized that the realization of these initiatives depends on external adoption, technical reliability, and market conditions, and therefore remains subject to considerable uncertainty.

## **D.9 Resource allocation**

According to the official documentation (<https://docs.treehouse.finance/protocol/tree-token/token-details/tokenomics>, accessed on 2025-08-21), the allocation of TREE tokens is distributed across several categories. The largest share, approximately 20%, is assigned to community rewards, intended to incentivize ongoing engagement and protocol participation. Around 17.5% is allocated to strategic investors, while approximately 12.5% each is directed to the project treasury and to the team. A further 10% is designated for ecosystem funds, with another 10% reserved for an initial community airdrop. Smaller allocations include 5.75% for future airdrops, 5% for core contributors, 3.75% for exchange partnerships, and 3% for liquidity provisioning. Note that this information cannot be independently verified and is subject to change.

The effective circulating supply may vary over time, as vesting schedules, release mechanisms, and project-specific adjustments may influence token availability.

The temporary token distribution can be traced on-chain, on Ethereum: <https://etherscan.io/token/0x77146784315ba81904d654466968e3a7c196d1f3#balances> and on BNB Smart Chain: <https://bscscan.com/token/0x771467-84315ba81904d654466968e3a7c196d1f3#balances>.

The investor must be aware that a public address cannot necessarily be assigned to a single person or entity, which limits the ability to determine exact economic influence or future actions. Token distribution changes can negatively impact the investor.

#### **D.10 Planned use of Collected funds or crypto-Assets**

Not applicable, as this white paper was drawn up for the admission to trading and not for collecting funds for the crypto-asset-project.

## **Part E – Information about the offer to the public of crypto-assets or their admission to trading**

### **E.1 Public offering or admission to trading**

The white paper concerns the admission to trading (i. e. ATTR) on any Crypto Asset Service Providers platform that has obtained the written consent of Crypto Risk Metrics GmbH as the person drafting this white paper.

### **E.2 Reasons for public offer or admission to trading**

As already stated in A.13, Crypto Risk Metrics GmbH aims to provide central services to draw up crypto-asset white papers in accordance to COMMISSION IMPLEMENTING REGULATION (EU) 2024/2984. These services are offered in order to minimize market confusion due to conflicting white papers for the same asset drawn up from different Crypto Asset Service Providers. As of now, such a scenario seems highly likely as a Crypto Asset Service Provider who drew up a crypto-asset white paper and admitted the respective token in the Union has no incentive to give his written consent to another Crypto Asset Service Provider according to Article 5 (4 b) of the REGULATION (EU) 2023/1114 to use the white paper for his regulatory obligations, as this would 1.

strengthen the market-positioning of the other Crypto Asset Service Provider (who is most likely a competitor) and 2. also entail liability risks.

### **E.3 Fundraising target**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.4 Minimum subscription goals**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.5 Maximum subscription goals**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.6 Oversubscription acceptance**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.7 Oversubscription allocation**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.8 Issue price**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.9 Official currency or any other crypto-assets determining the issue price**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

### **E.10 Subscription fee**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.11 Offer price determination method**

Once the token is admitted to trading its price will be determined by demand (buyers) and supply (sellers).

**E.12 Total number of offered/traded crypto-assets**

A total amount of 1,000,000,000 tokens has been initially minted (see transaction: <https://etherscan.io/tx/0xd3cef551990360947422792f5bfa90a9d70e87cdaea27705ff7dd2d7ce157612>, accessed 2025-08-20). The ownership or mint authority for the token can not independently be verified and it is possible that the supply is still subject to arbitrary change which can negatively impact the investors at any time.

**E.13 Targeted holders**

ALL

**E.14 Holder restrictions**

The Holder restrictions are subject to the rules applicable to the Crypto Asset Service Provider as well as additional restrictions the Crypto Asset Service Providers might set in force.

**E.15 Reimbursement notice**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.16 Refund mechanism**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.17 Refund timeline**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.



**E.18 Offer phases**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.19 Early purchase discount**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.20 Time-limited offer**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.21 Subscription period beginning**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.22 Subscription period end**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.23 Safeguarding arrangements for offered funds/crypto- Assets**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.24 Payment methods for crypto-asset purchase**

The payment methods are subject to the respective capabilities of the Crypto Asset Service Provider listing the crypto-asset.

**E.25 Value transfer methods for reimbursement**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.26 Right of withdrawal**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.27 Transfer of purchased crypto-assets**

The transfer of purchased crypto-assets are subject to the respective capabilities of the Crypto Asset Service Provider listing the crypto-asset.

**E.28 Transfer time schedule**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

**E.29 Purchaser's technical requirements**

The technical requirements that the purchaser is required to fulfil to hold the crypto-assets of purchased crypto-assets are subject to the respective capabilities of the Crypto Asset Service Provider listing the crypto-asset.

**E.30 Crypto-asset service provider (CASP) name**

Not applicable.

**E.31 CASP identifier**

Not applicable.

**E.32 Placement form**

Not applicable.

**E.33 Trading platforms name**

The trading on all MiCAR-compliant trading platforms is sought.

**E.34 Trading platforms Market identifier code (MIC)**

Not applicable.

**E.35 Trading platforms access**

This depends on the trading platform listing the asset.

**E.36 Involved costs**

This depends on the trading platform listing the asset. Furthermore, costs may occur for making transfers out of the platform (i. e. "gas costs" for blockchain network use that may exceed the value of the crypto-asset itself).

**E.37 Offer expenses**

Not applicable, as this crypto-asset white paper concerns the admission to trading and not the offer of the token to the public.

**E.38 Conflicts of interest**

MiCAR-compliant Crypto Asset Service Providers shall have strong measurements in place in order to manage conflicts of interests. Due to the broad audience this white-paper is addressing, potential investors should always check the conflicts of Interest policy of their respective counterparty.

**E.39 Applicable law**

Not applicable, as it is referred to on "offer to the public" and in this white-paper, the admission to trading is sought.

**E.40 Competent court**

Not applicable, as it is referred to on "offer to the public" and in this white-paper, the admission to trading is sought.

**Part F – Information about the crypto-assets****F.1 Crypto-asset type**

The crypto-asset described in the white paper is classified as a crypto-asset under the Markets in Crypto-Assets Regulation (MiCAR) but does not qualify as an electronic money token (EMT) or an asset-referenced token (ART). It is a digital representation of value that can be stored and transferred using distributed ledger technology (DLT) or similar technology, without embodying or conferring any rights to its holder.

The asset does not aim to maintain a stable value by referencing an official currency, a basket of assets, or any other underlying rights. Instead, its valuation is entirely market-driven, based on supply and demand dynamics, and not supported by a stabilization mechanism. It is neither pegged to any fiat currency nor backed by any external assets, distinguishing it clearly from EMTs and ARTs.

Furthermore, the crypto-asset is not categorized as a financial instrument, deposit, insurance product, pension product, or any other regulated financial product under EU law. It does not grant financial rights, voting rights, or any contractual claims to its holders, ensuring that it remains outside the scope of regulatory frameworks applicable to traditional financial instruments.

## **F.2 Crypto-asset functionality**

According to the documentation (<https://docs.treehouse.finance/protocol/tree-token/token-details/tokenomics>, accessed 2025-08-21), the TREE token is described as the governance and token of the Treehouse protocol. Its intended purpose is to allow holders to participate in protocol governance, including decision-making processes affecting protocol parameters and design. In addition, TREE tokens are designed to be used for paying query fees when accessing decentralized offered rates (DOR) data, and in certain cases as a staking requirement for participants contributing to the rate-setting process.

Beyond these intended functions, no binding commitments regarding profit participation, redemption rights, or guaranteed returns have been disclosed. At present, the observable functionality of the TREE token is limited and its potential role in governance and fee payment, provided that the relevant mechanisms are implemented and maintained. The token does not confer legal ownership rights, enforceable claims against the issuer, or legally guaranteed utility. Its actual use and value therefore remain dependent on adoption of the protocol and the effective operation of its systems, which are subject to technical, regulatory, and market-related uncertainties.

## **F.3 Planned application of functionalities**

See D.8.

**A description of the characteristics of the crypto asset, including the data necessary for classification of the crypto-asset white paper in the register referred to in Article 109 of Regulation (EU) 2023/1114, as specified in accordance with paragraph 8 of that Article**

#### **F.4 Type of crypto-asset white paper**

The white paper type is "other crypto-assets" (i. e. "OTHR").

#### **F.5 The type of submission**

The white paper submission type is "NEWT", which stands for new token.

#### **F.6 Crypto-asset characteristics**

The tokens are crypto-assets other than EMTs and ARTs, which are available on the Ethereum and BNB Smart Chain blockchain. The tokens are fungible (up to 18 digits after the decimal point), and a total of 1,000,000,000 have already been issued. The tokens are a digital representation of value, and have no inherent rights attached as well as no intrinsic utility.

#### **F.7 Commercial name or trading name**

See F.13.

#### **F.8 Website of the issuer**

<https://www.treehouse.finance/>

#### **F.9 Starting date of offer to the public or admission to trading**

2025-09-19

#### **F.10 Publication date**

2025-09-19

#### **F.11 Any other services provided by the issuer**

It is not possible to exclude a possibility that the issuer of the token provides or will provide other services not covered by Regulation (EU) 2023/1114 (i.e. MiCAR).

**F.12 Language or languages of the crypto-asset white paper**

EN

**F.13 Digital token identifier code used to uniquely identify the crypto-asset or each of the several crypto assets to which the white paper relates, where available**

FWVGR1J7J; C0WC4KNGX

**F.14 Functionally fungible group digital token identifier, where available**

7PQ1242P3

**F.15 Voluntary data flag**

Mandatory.

**F.16 Personal data flag**

The white paper does contain personal data.

**F.17 LEI eligibility**

The issuer should be eligible for a Legal Entity Identifier.

**F.18 Home Member State**

Germany

**F.19 Host Member States**

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden

**Part G – Information on the rights and obligations attached to the crypto-assets****G.1 Purchaser rights and obligations**

There are no rights or obligations attached for/of the purchaser.

## **G.2 Exercise of rights and obligations**

As the token grants neither rights nor obligations, there are no procedures and conditions for the exercise of these rights applicable.

## **G.3 Conditions for modifications of rights and obligations**

As the token grants neither rights nor obligations, there are no conditions under which the rights and obligations may be modified applicable. An adjustment of the technical infrastructure necessary to exercise the promised governance rights, declining functionality due to dilution, changing rights within the voting platforms, and all other adverse effects for investors may occur at any time.

## **G.4 Future public offers**

Information on the future offers to the public of crypto-assets were not available at the time of writing this white paper (2025-08-15).

## **G.5 Issuer retained crypto-assets**

"According to the official documentation (<https://docs.treehouse.finance/protocol/tree-token/token-details/tokenomics>, accessed on 2025-08-21), the allocation of TREE tokens is distributed across several categories. The largest share, approximately 20%, is assigned to community rewards, intended to incentivize ongoing engagement and protocol participation. Around 17.5% is allocated to strategic investors, while approximately 12.5% each is directed to the project treasury and to the team. A further 10% is designated for ecosystem funds, with another 10% reserved for an initial community airdrop. Smaller allocations include 5.75% for future airdrops, 5% for core contributors, 3.75% for exchange partnerships, and 3% for liquidity provisioning. Note that this information cannot be independently verified and is subject to change.

The effective circulating supply may vary over time, as vesting schedules, release mechanisms, and project-specific adjustments may influence token availability.

A portion of the TREE token supply can be directly attributed to the issuer, as approximately 15% of the total supply is retained in the protocol treasury under the control of Treehouse Labs Limited. In addition, further allocations such as those

designated for the team, core contributors, the ecosystem fund, liquidity provisioning, and exchange partnerships represent indirect forms of issuer-related control. While these categories are not formally held by the issuer itself, their deployment and governance remain closely linked to the project's internal structures. As a result, a significant share of the total supply can be considered to fall under the influence of the issuer or its affiliated entities. The precise extent of this influence is, however, difficult to determine, particularly with respect to the decision-making power of strategic investors and ecosystem-related allocations. This concentration of tokens within project-related spheres may therefore create uncertainty regarding future market dynamics and the actual degree of decentralization.

The temporary token distribution can be traced on-chain, on Ethereum: <https://etherscan.io/token/0x77146784315ba81904d654466968e3a7c196d1f3#balances> and on BNB Smart Chain: <https://bscscan.com/token/0x77146784315ba81904d654466968e3a7c196d1f3#balances>.

The investor must be aware that a public address cannot necessarily be assigned to a single person or entity, which limits the ability to determine exact economic influence or future actions. Token distribution changes can negatively impact the investor."

#### **G.6 Utility token classification**

No

#### **G.7 Key features of goods/services of utility tokens**

Not applicable.

#### **G.8 Utility tokens redemption**

Not applicable.

#### **G.9 Non-trading request**

The admission to trading is sought.



#### **G.10 Crypto-assets purchase or sale modalities**

Not applicable, as this white paper is written to support admission to trading and not for the initial offer to the public.

#### **G.11 Crypto-assets transfer restrictions**

The crypto-assets as such do not have any transfer restrictions and are generally freely transferable. The Crypto Asset Service Providers can impose their own restrictions in agreements they enter with their clients. The Crypto Asset Service Providers may impose restrictions to buyers and sellers in accordance with applicable laws and internal policies and terms.

#### **G.12 Supply adjustment protocols**

No, there are no fixed protocols that can increase or decrease the supply implemented as of 2025-08-20. Nevertheless, it is possible that the owner of the smart-contract has the ability to increase or decrease the token-supply in response to changes in demand. Also, it is possible to decrease the circulating supply, by transferring crypto-assets to so called "burn-adresses", which are adresses that render the crypto-asset "non-transferable" after sent to those adresses.

#### **G.13 Supply adjustment mechanisms**

The mint authority (the entity who can create new tokens of that crypto-asset), as defined in the smart contract, has the potential right to change the supply of the crypto-asset. According to the official documentation (<https://docs.treehouse.finance/protocol/tree-token/token-details/tokenomics>, accessed 2025-08-21), the total supply of TREE tokens is capped at 1,000,000,000. This figure is also reflected on major third-party sources, such as CoinMarketCap (<https://coinmarketcap.com/currencies/treehouse/>, accessed 2025-08-21) and blockchain explorers (<https://etherscan.io/token/0x77146784315ba81904-d654466968e3a7c196d1f3#balances>, accessed 2025-08-21).

Investors should note that changes in the token supply can have a significant negative impact.

**G.14 Token value protection schemes**

No, the token does not have value protection schemes.

**G.15 Token value protection schemes description**

Not applicable.

**G.16 Compensation schemes**

No, the token does not have compensation schemes.

**G.17 Compensation schemes description**

Not applicable.

**G.18 Applicable law**

Applicable law likely depends on the location of any particular transaction with the token.

**G.19 Competent court**

Competent court likely depends on the location of any particular transaction with the token.

**Part H – information on the underlying technology****H.1 Distributed ledger technology (DTL)**

See F.13.

**H.2 Protocols and technical standards**

The crypto asset that is the subject of this white paper is available on multiple DLT networks. These include: Ethereum and BNB Smart Chain. In general, when evaluating crypto assets, the total number of tokens issued across different networks must always be taken into account, as spillover effects can be adverse for investors.

The following applies to Ethereum:

The crypto-asset operates on a well-defined set of protocols and technical standards that are intended to ensure its security, decentralization, and functionality. It is running on the Ethereum blockchain. Below are some of the key ones:

#### 1. Network Protocols

The crypto-asset follows a decentralized, peer-to-peer (P2P) protocol where nodes communicate over the crypto-asset's DevP2P protocol using RLPx for data encoding.

- Transactions and smart contract execution are secured through Proof-of-Stake (PoS) consensus.
- Validators propose and attest blocks in Ethereum's Beacon Chain, finalized through Casper FFG.
- The Ethereum Virtual Machine (EVM) executes smart contracts using Turing-complete bytecode.

#### 2. Transaction and Address Standards

crypto-asset Address Format: 20-byte addresses derived from Keccak-256 hashing of public keys.

Transaction Types:

- Legacy Transactions (pre-EIP-1559)
- Type 0 (Pre-EIP-1559 transactions)
- Type 1 (EIP-2930: Access list transactions)
- Type 2 (EIP-1559: Dynamic fee transactions with base fee burning)

The Pectra upgrade introduces EIP-7702, a transformative improvement to account abstraction. This allows externally owned accounts (EOAs) to temporarily act as smart contract wallets during a transaction. It provides significant flexibility, enabling functionality such as sponsored gas payments and batched operations without changing the underlying account model permanently.

### 3. Blockchain Data Structure & Block Standards

- the crypto-asset's blockchain consists of accounts, smart contracts, and storage states, maintained through Merkle Patricia Trees for efficient verification.

Each block contains:

- Block Header: Parent hash, state root, transactions root, receipts root, timestamp, gas limit, gas used, proposer signature.

- Transactions: Smart contract executions and token transfers.

- Block Size: No fixed limit; constrained by the gas limit per block (variable over time). In line with Ethereum's scalability roadmap, Pectra includes EIP-7691, which increases the maximum number of "blobs" (data chunks introduced with EIP-4844) per block. This change significantly boosts the data availability layer used by rollups, supporting cheaper and more efficient Layer 2 scalability.

### 4. Upgrade & Improvement Standards

Ethereum follows the Ethereum Improvement Proposal (EIP) process for upgrades.

The following applies to BNB Smart Chain:

Binance Smart Chain (BSC) is a Layer-1 blockchain that utilizes a Proof-of-Staked Authority (PoSA) consensus mechanism. This mechanism combines elements of Proof-of-Authority (PoA) and Proof-of-Stake (PoS) and is intended to secure the network and validate transactions. In PoSA, validators are selected based on their stake and authority, with the goal of providing fast transaction times and low fees while maintaining network security through staking.

### **H.3 Technology used**

The crypto asset that is the subject of this white paper is available on multiple DLT networks. These include: Ethereum and BNB Smart Chain. In general, when evaluating crypto assets, the total number of tokens issued across different networks must always be taken into account, as spillover effects can be adverse for investors.

The following applies to Ethereum:

1. Decentralized Ledger: The Ethereum blockchain acts as a decentralized ledger for all token transactions, with the intention to preserving an unalterable record of token transfers and ownership to ensure both transparency and security.
2. Private Key Management: To safeguard their token holdings, users must securely store their wallet's private keys and recovery phrases.
3. Cryptographic Integrity: Ethereum employs elliptic curve cryptography to validate and execute transactions securely, intended to ensure the integrity of all transfers. The Keccak-256 (SHA-3 variant) Hashing Algorithm is used for hashing and address generation. The crypto-asset uses ECDSA with secp256k1 curve for key generation and digital signatures. Next to that, BLS (Boneh-Lynn-Shacham) signatures are used for validator aggregation in PoS.

The following applies to BNB Smart Chain:

#### 1. BSC-Compatible Wallets

Tokens on BSC are supported by wallets compatible with the Ethereum Virtual Machine (EVM), such as MetaMask. These wallets can be configured to connect to the BSC network and are designed to interact with BSC using standard Web3 interfaces.

#### 2. Ledger

BSC maintains its own decentralized ledger for recording token transactions. This ledger is intended to ensure transparency and security, providing a verifiable record of all activities on the network.

#### 3. BEP-20 Token Standard

BSC supports tokens implemented under the BEP-20 standard, which is tailored for the BSC ecosystem. This standard is designed to facilitate the creation and management of tokens on the network.

#### 4. Scalability and Transaction Efficiency

BSC is designed to handle high volumes of transactions with low fees. It leverages its PoSA consensus mechanism to achieve fast transaction times and efficient network performance, making it suitable for applications requiring high throughput.

#### **H.4 Consensus mechanism**

The crypto asset that is the subject of this white paper is available on multiple DLT networks. These include: Ethereum and BNB Smart Chain. In general, when evaluating crypto assets, the total number of tokens issued across different networks must always be taken into account, as spillover effects can be adverse for investors.

The following applies to Ethereum:

The crypto-asset's Proof-of-Stake (PoS) consensus mechanism, introduced with The Merge in 2022, replaces mining with validator staking. Validators must stake at least 32 ETH every block a validator is randomly chosen to propose the next block. Once proposed the other validators verify the blocks integrity. The network operates on a slot and epoch system, where a new block is proposed every 12 seconds, and finalization occurs after two epochs (~12.8 minutes) using Casper-FFG. The Beacon Chain coordinates validators, while the fork-choice rule (LMD-GHOST) ensures the chain follows the heaviest accumulated validator votes. Validators earn rewards for proposing and verifying blocks, but face slashing for malicious behavior or inactivity. PoS aims to improve energy efficiency, security, and scalability, with future upgrades like Proto-Danksharding enhancing transaction efficiency.

The following applies to BNB Smart Chain:

Binance Smart Chain (BSC) uses a hybrid consensus mechanism called Proof of Staked Authority (PoSA), which combines elements of Delegated Proof of Stake (DPoS) and Proof of Authority (PoA). This method ensures fast block times and low fees while maintaining a level of decentralization and security. Core Components 1. Validators (so-called "Cabinet Members"): Validators on BSC are responsible for producing new blocks,

validating transactions, and maintaining the network's security. To become a validator, an entity must stake a significant amount of BNB (Binance Coin). Validators are selected through staking and voting by token holders. There are 21 active validators at any given time, rotating to ensure decentralization and security.

2. Delegators: Token holders who do not wish to run validator nodes can delegate their BNB tokens to validators. This delegation helps validators increase their stake and improves their chances of being selected to produce blocks. Delegators earn a share of the rewards that validators receive, incentivizing broad participation in network security.

3. Candidates: Candidates are nodes that have staked the required amount of BNB and are in the pool waiting to become validators. They are essentially potential validators who are not currently active but can be elected to the validator set through community voting. Candidates play a crucial role in ensuring there is always a sufficient pool of nodes ready to take on validation tasks, thus maintaining network resilience and decentralization.

Consensus Process

4. Validator Selection: Validators are chosen based on the amount of BNB staked and votes received from delegators. The more BNB staked and votes received, the higher the chance of being selected to validate transactions and produce new blocks. The selection process involves both the current validators and the pool of candidates, ensuring a dynamic and secure rotation of nodes.

5. Block Production: The selected validators take turns producing blocks in a PoA-like manner, ensuring that blocks are generated quickly and efficiently. Validators validate transactions, add them to new blocks, and broadcast these blocks to the network.

6. Transaction Finality: BSC achieves fast block times of around 3 seconds and quick transaction finality. This is achieved through the efficient PoSA mechanism that allows validators to rapidly reach consensus.

Security and Economic Incentives

7. Staking: Validators are required to stake a substantial amount of BNB, which acts as collateral to ensure their honest behavior. This staked amount can be slashed if validators act maliciously. Staking incentivizes validators to act in the network's best interest to avoid losing their staked BNB.

8. Delegation and Rewards: Delegators earn rewards proportional to their stake in validators. This incentivizes them to choose reliable validators and participate in the network's security. Validators and delegators share transaction fees as rewards, which provides continuous economic incentives to maintain network security and

performance. 9. Transaction Fees: BSC employs low transaction fees, paid in BNB, making it cost-effective for users. These fees are collected by validators as part of their rewards, further incentivizing them to validate transactions accurately and efficiently.

### **H.5 Incentive mechanisms and applicable fees**

The crypto asset that is the subject of this white paper is available on multiple DLT networks. These include: Ethereum and BNB Smart Chain. In general, when evaluating crypto assets, the total number of tokens issued across different networks must always be taken into account, as spillover effects can be adverse for investors.

The following applies to Ethereum:

The crypto-asset's PoS system secures transactions through validator incentives and economic penalties. Validators stake at least 32 ETH and earn rewards for proposing blocks, attesting to valid ones, and participating in sync committees. Rewards are paid in newly issued ETH and transaction fees. Under EIP-1559, transaction fees consist of a base fee, which is burned to reduce supply, and an optional priority fee (tip) paid to validators. Validators face slashing if they act maliciously and incur penalties for inactivity. This system aims to increase security by aligning incentives while making the crypto-asset's fee structure more predictable and deflationary during high network activity.

The following applies to BNB Smart Chain:

Binance Smart Chain (BSC) uses the Proof of Staked Authority (PoSA) consensus mechanism to ensure network security and incentivize participation from validators and delegators. Incentive Mechanisms 1. Validators: Staking Rewards: Validators must stake a significant amount of BNB to participate in the consensus process. They earn rewards in the form of transaction fees and block rewards. Selection Process: Validators are selected based on the amount of BNB staked and the votes received from delegators. The more BNB staked and votes received, the higher the chances of being selected to



validate transactions and produce new blocks. 2. Delegators: Delegated Staking: Token holders can delegate their BNB to validators. This delegation increases the validator's total stake and improves their chances of being selected to produce blocks. Shared Rewards: Delegators earn a portion of the rewards that validators receive. This incentivizes token holders to participate in the network's security and decentralization by choosing reliable validators. 3. Candidates: Pool of Potential Validators: Candidates are nodes that have staked the required amount of BNB and are waiting to become active validators. They ensure that there is always a sufficient pool of nodes ready to take on validation tasks, maintaining network resilience. 4. Economic Security: Slashing: Validators can be penalized for malicious behavior or failure to perform their duties. Penalties include slashing a portion of their staked tokens, ensuring that validators act in the best interest of the network. Opportunity Cost: Staking requires validators and delegators to lock up their BNB tokens, providing an economic incentive to act honestly to avoid losing their staked assets. Fees on the Binance Smart Chain 5. Transaction Fees: Low Fees: BSC is known for its low transaction fees compared to other blockchain networks. These fees are paid in BNB and are essential for maintaining network operations and compensating validators. Dynamic Fee Structure: Transaction fees can vary based on network congestion and the complexity of the transactions. However, BSC ensures that fees remain significantly lower than those on the Ethereum mainnet. 6. Block Rewards: Incentivizing Validators: Validators earn block rewards in addition to transaction fees. These rewards are distributed to validators for their role in maintaining the network and processing transactions. 7. Cross-Chain Fees: Interoperability Costs: BSC supports cross-chain compatibility, allowing assets to be transferred between Binance Chain and Binance Smart Chain. These cross-chain operations incur minimal fees, facilitating seamless asset transfers and improving user experience. 8. Smart Contract Fees: Deployment and Execution Costs: Deploying and interacting with smart contracts on BSC involves paying fees based on the computational resources required. These fees are also paid in BNB and are designed to be cost-effective, encouraging developers to build on the BSC platform.

#### **H.6 Use of distributed ledger technology**

No, DLT not operated by the issuer, offeror, a person seeking admission to trading or a third-party acting on the issuer's their behalf.

#### **H.7 DLT functionality description**

Not applicable.

#### **H.8 Audit**

As we are understanding the question relating to "technology" to be interpreted in a broad sense, the answer answer to whether an audit of "the technology used" was conducted is "no, we can not guarantee, that all parts of the technology used have been audited". This is due to the fact this report focusses on risk, and we can not guarantee that each part of the technology used was audited.

#### **H.9 Audit outcome**

Not applicable.

### **Part I – Information on risks**

#### **I.1 Offer-related risks**

##### **1. Regulatory and Compliance**

This white paper (drawn up from 2025-08-16) has been prepared with utmost caution; however, uncertainties in the regulatory requirements and future changes in regulatory frameworks could potentially impact the token's legal status and its tradability. There is also a high probability that other laws will come into force, changing the rules for the trading of the token. Therefore, such developments shall be monitored and acted upon accordingly.

##### **2. Operational and Technical**

Blockchain Dependency: The token is entirely dependent on the blockchain the crypto-asset is issued upon (as of 2025-08-16). Any issues, such as downtime, congestion, or

security vulnerabilities within the blockchain, could adversely affect the token's functionality.

**Smart Contract Risks:** Smart contracts governing the token may contain hidden vulnerabilities or bugs that could disrupt the token offering or distribution processes.

**Connection Dependency:** As the trading of the token also involves other trading venues, technical risks such as downtime of the connection or faulty code are also possible.

**Human errors:** Due to the irrevocability of blockchain-transactions, approving wrong transactions or using incorrect networks/addresses will most likely result in funds not being accessible anymore.

**Custodial risk:** When admitting the token to trading, the risk of losing clients assets due to hacks or other malicious acts is given. This is due to the fact the token is held in custodial wallets for the customers.

### 3. Market and Liquidity

**Volatility:** The token will most likely be subject to high volatility and market speculation. Price fluctuations could be significant, posing a risk of substantial losses to holders.

**Liquidity Risk:** Liquidity is contingent upon trading activity levels on decentralized exchanges (DEXs) and potentially on centralized exchanges (CEXs), should they be involved. Low trading volumes may restrict the buying and selling capabilities of the tokens.

### 4. Counterparty

As the admission to trading involves the connection to other trading venues, counterparty risks arise. These include, but are not limited to, the following risks:

**General Trading Platform Risk:** The risk of trading platforms not operating to the highest standards is given. Examples like FTX show that especially in nascent industries, compliance and oversight-frameworks might not be fully established and/or enforced.

Listing or Delisting Risks: The listing or delisting of the token is subject to the trading partners internal processes. Delisting of the token at the connected trading partners could harm or completely halt the ability to trade the token.

#### 5. Liquidity

Liquidity of the token can vary, especially when trading activity is limited. This could result in high slippage when trading a token.

#### 6. Failure of one or more Counterparties

Another risk stems from the internal operational processes of the counterparties used. As there is no specific oversight other than the typical due diligence check, it cannot be guaranteed that all counterparties adhere to the best market standards.

Bankruptcy Risk: Counterparties could go bankrupt, possibly resulting in a total loss for the clients assets hold at that counterparty.

#### 7. Information asymmetry

Different groups of participants may not have the same access to technical details or governance information, leading to uneven decision-making and potential disadvantages for less informed investors.

### **I.2 Issuer-related risks**

#### 1. Insolvency

As with every other commercial endeavor, the risk of insolvency of the issuer is given. This could be caused by but is not limited to lack of interest from the public, lack of funding, incapacitation of key developers and project members, force majeure (including pandemics and wars) or lack of commercial success or prospects.

#### 2. Counterparty

In order to operate, the issuer has most likely engaged in different business relationships with one or more third parties on which it strongly depends on. Loss or changes in the leadership or key partners of the issuer and/or the respective

counterparties can lead to disruptions, loss of trust, or project failure. This could result in a total loss of economic value for the crypto-asset holders.

### 3. Legal and Regulatory Compliance

Cryptocurrencies and blockchain-based technologies are subject to evolving regulatory landscapes worldwide. Regulations vary across jurisdictions and may be subject to significant changes. Non-compliance can result in investigations, enforcement actions, penalties, fines, sanctions, or the prohibition of the trading of the crypto-asset impacting its viability and market acceptance. This could also result in the issuer to be subject to private litigation. The beforementioned would most likely also lead to changes with respect to trading of the crypto-asset that may negatively impact the value, legality, or functionality of the crypto-asset.

### 4. Operational

Failure to develop or maintain effective internal control, or any difficulties encountered in the implementation of such controls, or their improvement could harm the issuer's business, causing disruptions, financial losses, or reputational damage.

### 5. Industry

The issuer is and will be subject to all of the risks and uncertainties associated with a crypto-project, where the token issued has zero intrinsic value. History has shown that most of this projects resulted in financial losses for the investors and were only set-up to enrich a few insiders with the money from retail investors.

### 6. Reputational

The issuer faces the risk of negative publicity, whether due to, without limitation, operational failures, security breaches, or association with illicit activities, which can damage the issuer reputation and, by extension, the value and acceptance of the crypto-asset.

### 7. Competition

There are numerous other crypto-asset projects in the same realm, which could have an effect on the crypto-asset in question.

#### 8. Unanticipated Risk

In addition to the risks included in this section, there might be other risks that cannot be foreseen. Additional risks may also materialize as unanticipated variations or combinations of the risks discussed.

#### 9. Provision of financial-like services

The project is presented as an AI-driven platform that automates and optimizes yield strategies across decentralized finance protocols. This functional positioning resembles activities that, depending on jurisdiction, may fall under financial services, portfolio management, or investment advisory regimes. As a result, there is a risk that regulators may classify certain activities of the platform or of entities associated with it as the provision of regulated financial services.

Such classification could trigger additional licensing, compliance, and reporting requirements. Failure to meet these requirements may lead to restrictions, enforcement measures, or even the prohibition of certain activities. Investors should be aware that these regulatory risks are outside of their direct control and could materially affect both the operation of the platform and the value or usability of the token.

### **I.3 Crypto-assets-related risks**

#### 1. Valuation

As the crypto-asset does not have any intrinsic value, and grants neither rights nor obligations, the only mechanism to determine the price is supply and demand. Historically, most crypto-assets have dramatically lost value and were not a beneficial investment for the investors. Therefore, investing in these crypto-assets poses a high risk, and the loss of funds can occur.

#### 2. Market Volatility

Crypto-asset prices are highly susceptible to dramatic fluctuations influenced by various factors, including market sentiment, regulatory changes, technological advancements, and macroeconomic conditions. These fluctuations can result in significant financial losses within short periods, making the market highly unpredictable and challenging for investors. This is especially true for crypto-assets without any intrinsic value, and investors should be prepared to lose the complete amount of money invested in the respective crypto-assets.

### 3. Liquidity Challenges

Some crypto-assets suffer from limited liquidity, which can present difficulties when executing large trades without significantly impacting market prices. This lack of liquidity can lead to substantial financial losses, particularly during periods of rapid market movements, when selling assets may become challenging or require accepting unfavorable prices.

### 4. Asset Security

Crypto-assets face unique security threats, including the risk of theft from exchanges or digital wallets, loss of private keys, and potential failures of custodial services. Since crypto transactions are generally irreversible, a security breach or mismanagement can result in the permanent loss of assets, emphasizing the importance of strong security measures and practices.

### 5. Scams

The irrevocability of transactions executed using blockchain infrastructure, as well as the pseudonymous nature of blockchain ecosystems, attracts scammers. Therefore, investors in crypto-assets must proceed with a high degree of caution when investing in if they invest in crypto-assets. Typical scams include – but are not limited to – the creation of fake crypto-assets with the same name, phishing on social networks or by email, fake giveaways/airdrops, identity theft, among others.

### 6. Blockchain Dependency

Any issues with the blockchain used, such as network downtime, congestion, or security vulnerabilities, could disrupt the transfer, trading, or functionality of the crypto-asset.

#### 7. Smart Contract Vulnerabilities

The smart contract used to issue the crypto-asset could include bugs, coding errors, or vulnerabilities which could be exploited by malicious actors, potentially leading to asset loss, unauthorized data access, or unintended operational consequences.

#### 8. Privacy Concerns

All transactions on the blockchain are permanently recorded and publicly accessible, which can potentially expose user activities. Although addresses are pseudonymous, the transparent and immutable nature of blockchain allows for advanced forensic analysis and intelligence gathering. This level of transparency can make it possible to link blockchain addresses to real-world identities over time, compromising user privacy.

#### 9. Regulatory Uncertainty

The regulatory environment surrounding crypto-assets is constantly evolving, which can directly impact their usage, valuation, and legal status. Changes in regulatory frameworks may introduce new requirements related to consumer protection, taxation, and anti-money laundering compliance, creating uncertainty and potential challenges for investors and businesses operating in the crypto space. Although the crypto-asset do not create or confer any contractual or other obligations on any party, certain regulators may nevertheless qualify the crypto-asset as a security or other financial instrument under their applicable law, which in turn would have drastic consequences for the crypto-asset, including the potential loss of the invested capital in the asset. Furthermore, this could lead to the sellers and its affiliates, directors, and officers being obliged to pay fines, including federal civil and criminal penalties, or make the crypto-asset illegal or impossible to use, buy, or sell in certain jurisdictions. On top of that, regulators could take action against the issuer as well as the trading platforms if the regulators view the token as an unregistered offering of securities or the operations otherwise as a violation of existing law. Any of these outcomes would negatively affect



the value and/or functionality of the cryptot-asset and/or could cause a complete loss of funds of the invested money in the crypto-asset for the investor.

#### 10. Counterparty risk

Engaging in agreements or storing crypto-assets on exchanges introduces counterparty risks, including the failure of the other party to fulfill their obligations. Investors may face potential losses due to factors such as insolvency, regulatory non-compliance, or fraudulent activities by counterparties, highlighting the need for careful due diligence when engaging with third parties.

#### 11. Reputational concerns

Crypto-assets are often subject to reputational risks stemming from associations with illegal activities, high-profile security breaches, and technological failures. Such incidents can undermine trust in the broader ecosystem, negatively affecting investor confidence and market value, thereby hindering widespread adoption and acceptance.

#### 12. Technological Innovation

New technologies or platforms could render the network's design less competitive or even break fundamental parts (i.e., quantum computing might break cryptographic algorithms used to secure the network), impacting adoption and value. Participants should approach the crypto-asset with a clear understanding of its speculative and volatile nature and be prepared to accept these risks and bear potential losses, which could include the complete loss of the asset's value.

#### 13. Community and Narrative

As the crypto-asset has no intrinsic value, all trading activity is based on the intended market value is heavily dependent on its community.

#### 14. Interest Rate Change

Historically, changes in interest, foreign exchange rates, and increases in volatility have increased credit and market risks and may also affect the value of the crypto-asset. Although historic data does not predict the future, potential investors should be aware

that general movements in local and other factors may affect the market, and this could also affect market sentiment and, therefore most likely also the price of the crypto-asset.

#### 15. Taxation

The taxation regime that applies to the trading of the crypto-asset by individual holders or legal entities will depend on the holder's jurisdiction. It is the holder's sole responsibility to comply with all applicable tax laws, including, but not limited to, the reporting and payment of income tax, wealth tax, or similar taxes arising in connection with the appreciation and depreciation of the crypto-asset.

#### 16. Anti-Money Laundering/Counter-Terrorism Financing

It cannot be ruled out that crypto-asset wallet addresses interacting with the crypto-asset have been, or will be used for money laundering or terrorist financing purposes, or are identified with a person known to have committed such offenses.

#### 17. Market Abuse

It is noteworthy that crypto-assets are potentially prone to increased market abuse risks, as the underlying infrastructure could be used to exploit arbitrage opportunities through schemes such as front-running, spoofing, pump-and-dump, and fraud across different systems, platforms, or geographic locations. This is especially true for crypto-assets with a low market capitalization and few trading venues, and potential investors should be aware that this could lead to a total loss of the funds invested in the crypto-asset.

#### 18. Timeline and Milestones

Critical project milestones could be delayed by technical, operational, or market challenges.

19. Legal ownership: Depending on jurisdiction, token holders may not have enforceable legal rights over their holdings, limiting avenues for recourse in disputes or cases of fraud.

20. Jurisdictional blocking: Access to exchanges, wallets, or interfaces may be restricted based on user location or regulatory measures, even if the token remains transferable on-chain.

21. Token concentration: A large proportion of tokens held by a few actors could allow price manipulation, governance dominance, or sudden sell-offs impacting market stability.

22. Ecosystem incentive misalignment: If validator, developer, or user rewards become unattractive or distorted, network security and participation could decline.

23. Governance deadlock: Poorly structured or fragmented governance processes may prevent timely decisions, creating delays or strategic paralysis.

24. Compliance misalignment: Features or delivery mechanisms may unintentionally conflict with evolving regulations, particularly regarding consumer protection or data privacy.

#### **I.4 Project implementation-related risks**

As this white paper relates to the "Admission to trading" of the crypto-asset, the implementation risk is referring to the risks on the Crypto Asset Service Providers side. These can be, but are not limited to, typical project management risks, such as key-personal-risks, timeline-risks, and technical implementation-risks.

#### **I.5 Technology-related risks**

As this white paper relates to the "Admission to trading" of the crypto-asset, the technology-related risks mainly involve the DLT networks where the crypto asset is issued in.

##### **1. Blockchain Dependency Risks**

Network Downtime: Potential outages or congestion on the involved blockchains could interrupt on-chain token transfers, trading, and other functions.

##### **2. Smart Contract Risks**

Vulnerabilities: The smart contract governing the token could contain bugs or vulnerabilities that may be exploited, affecting token distribution or vesting schedules.

### 3. Wallet and Storage Risks

Private Key Management: Token holders must securely manage their private keys and recovery phrases to prevent permanent loss of access to their tokens, which includes Trading-Venues, who are a prominent target for dedicated hacks.

Compatibility Issues: The tokens require compatible wallets for storage and transfer. Any incompatibility or technical issues with these wallets could impact token accessibility.

### 4. Network Security Risks

Attack Risks: The blockchains may face threats such as denial-of-service (DoS) attacks or exploits targeting its consensus mechanism, which could compromise network integrity.

Centralization Concerns: Although claiming to be decentralized, the relatively smaller number of validators/concentration of stakes within the networks compared to other blockchains might pose centralization risks, potentially affecting network resilience.

5. Evolving Technology Risks: Technological Obsolescence: The fast pace of innovation in blockchain technology may make the used token standard appear less competitive or become outdated, potentially impacting the usability or adoption of the token.

6. Bridges: The dependency on multiple ecosystems can negatively impact investors. This asset bridge creates corresponding risks for investors, as this lock-in mechanism may not function properly for technical reasons or may be subject to attack. In that case, the supply may change immediately or the ownership rights to tokens may be changed.

7. Forking risk: Network upgrades may split the blockchain into separate versions, potentially creating duplicate tokens or incompatibility between different versions of the protocol.

8. Economic abstraction: Mechanisms such as gas relayers or wrapped tokens may allow users to bypass the native asset, reducing its direct demand and weakening its economic role.

9. Dust and spam attacks: Low-value transactions may flood the network, increasing ledger size, reducing efficiency, and exposing user addresses to tracking.

10. Frontend dependency: If users rely on centralised web interfaces or wallets, service outages or compromises could block access even if the blockchain itself continues to operate.

#### **I.6 Mitigation measures**

None.

## **Part J – Information on the sustainability indicators in relation to adverse impact on the climate and other environment-related adverse impacts**

### **J.1 Adverse impacts on climate and other environment-related adverse impacts**

#### **S.1 Name**

Crypto Risk Metrics GmbH

#### **S.2 Relevant legal entity identifier**

39120077M9TG001FE248

#### **S.3 Name of the cryptoasset**

Treehouse

#### **S.4 Consensus Mechanism**

The crypto asset that is the subject of this white paper is available on multiple DLT networks. These include: Ethereum and BNB Smart Chain. In general, when evaluating crypto assets, the total number of tokens issued across different networks must always be taken into account, as spillover effects can be adverse for investors.

The following applies to Ethereum:

The crypto-asset's Proof-of-Stake (PoS) consensus mechanism, introduced with The Merge in 2022, replaces mining with validator staking. Validators must stake at least 32 ETH every block a validator is randomly chosen to propose the next block. Once proposed the other validators verify the blocks integrity. The network operates on a slot and epoch system, where a new block is proposed every 12 seconds, and finalization occurs after two epochs (~12.8 minutes) using Casper-FFG. The Beacon Chain coordinates validators, while the fork-choice rule (LMD-GHOST) ensures the chain follows the heaviest accumulated validator votes. Validators earn rewards for proposing and verifying blocks, but face slashing for malicious behavior or inactivity. PoS aims to improve energy efficiency, security, and scalability, with future upgrades like Proto-Danksharding enhancing transaction efficiency.

The following applies to BNB Smart Chain:

Binance Smart Chain (BSC) uses a hybrid consensus mechanism called Proof of Staked Authority (PoSA), which combines elements of Delegated Proof of Stake (DPoS) and Proof of Authority (PoA). This method ensures fast block times and low fees while maintaining a level of decentralization and security. Core Components

1. Validators (so-called "Cabinet Members"): Validators on BSC are responsible for producing new blocks, validating transactions, and maintaining the network's security. To become a validator, an entity must stake a significant amount of BNB (Binance Coin). Validators are selected through staking and voting by token holders. There are 21 active validators at any given time, rotating to ensure decentralization and security.
2. Delegators: Token holders who do not wish to run validator nodes can delegate their BNB tokens to validators. This delegation helps validators increase their stake and improves their chances of being selected to produce blocks. Delegators earn a share of the rewards that validators receive, incentivizing broad participation in network security.
3. Candidates: Candidates are nodes that have staked the required amount of BNB and are in the pool waiting to become validators. They are essentially potential validators who are not currently active but can be elected to the validator set through community voting. Candidates play a crucial role in ensuring there is always a sufficient pool of nodes ready to take on

validation tasks, thus maintaining network resilience and decentralization. Consensus Process 4. Validator Selection: Validators are chosen based on the amount of BNB staked and votes received from delegators. The more BNB staked and votes received, the higher the chance of being selected to validate transactions and produce new blocks. The selection process involves both the current validators and the pool of candidates, ensuring a dynamic and secure rotation of nodes. 5. Block Production: The selected validators take turns producing blocks in a PoA-like manner, ensuring that blocks are generated quickly and efficiently. Validators validate transactions, add them to new blocks, and broadcast these blocks to the network. 6. Transaction Finality: BSC achieves fast block times of around 3 seconds and quick transaction finality. This is achieved through the efficient PoSA mechanism that allows validators to rapidly reach consensus. Security and Economic Incentives 7. Staking: Validators are required to stake a substantial amount of BNB, which acts as collateral to ensure their honest behavior. This staked amount can be slashed if validators act maliciously. Staking incentivizes validators to act in the network's best interest to avoid losing their staked BNB. 8. Delegation and Rewards: Delegators earn rewards proportional to their stake in validators. This incentivizes them to choose reliable validators and participate in the network's security. Validators and delegators share transaction fees as rewards, which provides continuous economic incentives to maintain network security and performance. 9. Transaction Fees: BSC employs low transaction fees, paid in BNB, making it cost-effective for users. These fees are collected by validators as part of their rewards, further incentivizing them to validate transactions accurately and efficiently.

### **S.5 Incentive Mechanisms and Applicable Fees**

The crypto asset that is the subject of this white paper is available on multiple DLT networks. These include: Ethereum and BNB Smart Chain. In general, when evaluating crypto assets, the total number of tokens issued across different networks must always be taken into account, as spillover effects can be adverse for investors.

The following applies to Ethereum:

The crypto-asset's PoS system secures transactions through validator incentives and economic penalties. Validators stake at least 32 ETH and earn rewards for proposing blocks, attesting to valid ones, and participating in sync committees. Rewards are paid in newly issued ETH and transaction fees. Under EIP-1559, transaction fees consist of a base fee, which is burned to reduce supply, and an optional priority fee (tip) paid to validators. Validators face slashing if they act maliciously and incur penalties for inactivity. This system aims to increase security by aligning incentives while making the crypto-asset's fee structure more predictable and deflationary during high network activity.

The following applies to BNB Smart Chain:

Binance Smart Chain (BSC) uses the Proof of Staked Authority (PoSA) consensus mechanism to ensure network security and incentivize participation from validators and delegators.

**Incentive Mechanisms**

- 1. Validators: Staking Rewards:** Validators must stake a significant amount of BNB to participate in the consensus process. They earn rewards in the form of transaction fees and block rewards.
- Selection Process:** Validators are selected based on the amount of BNB staked and the votes received from delegators. The more BNB staked and votes received, the higher the chances of being selected to validate transactions and produce new blocks.
- 2. Delegators: Delegated Staking:** Token holders can delegate their BNB to validators. This delegation increases the validator's total stake and improves their chances of being selected to produce blocks.
- Shared Rewards:** Delegators earn a portion of the rewards that validators receive. This incentivizes token holders to participate in the network's security and decentralization by choosing reliable validators.
- 3. Candidates: Pool of Potential Validators:** Candidates are nodes that have staked the required amount of BNB and are waiting to become active validators. They ensure that there is always a sufficient pool of nodes ready to take on validation tasks, maintaining network resilience.
- 4. Economic Security: Slashing:** Validators can be penalized for malicious behavior or failure to perform their duties. Penalties include slashing a portion of their staked tokens, ensuring that validators act in the best interest of the network.
- Opportunity Cost:** Staking requires validators and



delegators to lock up their BNB tokens, providing an economic incentive to act honestly to avoid losing their staked assets.

**5. Transaction Fees: Low Fees:** BSC is known for its low transaction fees compared to other blockchain networks. These fees are paid in BNB and are essential for maintaining network operations and compensating validators.

**Dynamic Fee Structure:** Transaction fees can vary based on network congestion and the complexity of the transactions. However, BSC ensures that fees remain significantly lower than those on the Ethereum mainnet.

**6. Block Rewards: Incentivizing Validators:** Validators earn block rewards in addition to transaction fees. These rewards are distributed to validators for their role in maintaining the network and processing transactions.

**7. Cross-Chain Fees: Interoperability Costs:** BSC supports cross-chain compatibility, allowing assets to be transferred between Binance Chain and Binance Smart Chain. These cross-chain operations incur minimal fees, facilitating seamless asset transfers and improving user experience.

**8. Smart Contract Fees: Deployment and Execution Costs:** Deploying and interacting with smart contracts on BSC involves paying fees based on the computational resources required. These fees are also paid in BNB and are designed to be cost-effective, encouraging developers to build on the BSC platform.

## **S.6 Beginning of the period to which the disclosure relates**

2024-08-20

## **S.7 End of the period to which the disclosure relates**

2025-08-20

## **S.8 Energy consumption**

334.74544 kWh/a

## **S.9 Energy consumption sources and methodologies**

The energy consumption of this asset is aggregated across multiple components: To determine the energy consumption of a token, the energy consumption of the network Ethereum and BNB Smart Chain is calculated first. For the energy consumption of the token, a fraction of the energy consumption of the network is attributed to the token,

which is determined based on the activity of the crypto-asset within the network. When calculating the energy consumption, the Functionally Fungible Group Digital Token Identifier (FFG DTI) is used - if available - to determine all implementations of the asset in scope. The mappings are updated regularly, based on data of the Digital Token Identifier Foundation. The information regarding the hardware used and the number of participants in the network is based on assumptions that are verified with best effort using empirical data. In general, participants are assumed to be largely economically rational. As a precautionary principle, we make assumptions on the conservative side when in doubt, i.e. making higher estimates for the adverse impacts.

**S.10 Renewable energy consumption**

32.2703030303 %

**S.11 Energy intensity**

0.00000 kWh

**S.12 Scope 1 DLT GHG emissions – Controlled**

0.00000 tCO<sub>2</sub>e/a

**S.13 Scope 2 DLT GHG emissions – Purchased**

0.11293 tCO<sub>2</sub>e/a

**S.14 GHG intensity**

0.00000 kgCO<sub>2</sub>e

**S.15 Key energy sources and methodologies**

To determine the proportion of renewable energy usage, the locations of the nodes are to be determined using public information sites, open-source crawlers and crawlers developed in-house. If no information is available on the geographic distribution of the nodes, reference networks are used which are comparable in terms of their incentivization structure and consensus mechanism. This geo-information is merged with public information from Our World in Data, see citation. The intensity is calculated as the marginal energy cost wrt. one more transaction. Ember (2025); Energy Institute -

Statistical Review of World Energy (2024) - with major processing by Our World in Data. "Share of electricity generated by renewables - Ember and Energy Institute" [dataset]. Ember, "Yearly Electricity Data Europe"; Ember, "Yearly Electricity Data"; Energy Institute, "Statistical Review of World Energy" [original data]. Retrieved from <https://ourworldindata.org/grapher/share-electricity-renewables>.

### **S.16 Key GHG sources and methodologies**

To determine the GHG Emissions, the locations of the nodes are to be determined using public information sites, open-source crawlers and crawlers developed in-house. If no information is available on the geographic distribution of the nodes, reference networks are used which are comparable in terms of their incentivization structure and consensus mechanism. This geo-information is merged with public information from Our World in Data, see citation. The intensity is calculated as the marginal emission wrt. one more transaction. Ember (2025); Energy Institute - Statistical Review of World Energy (2024) - with major processing by Our World in Data. "Carbon intensity of electricity generation - Ember and Energy Institute" [dataset]. Ember, "Yearly Electricity Data Europe"; Ember, "Yearly Electricity Data"; Energy Institute, "Statistical Review of World Energy" [original data]. Retrieved from <https://ourworldindata.org/grapher/carbon-intensity-electricity> Licenced under CC BY 4.0.

