ASSURE DEFI®
THE VERIFICATION GOLD STANDARD

Security Assessment:

PEPEARAB TOKEN

January 23, 2025

- Audit Status: **Pass**
- Audit Edition: **Advance**

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Risk Analysis

Classifications of Manual Risk Results

Classification	Description
🔴 Critical	Danger or Potential Problems.
🟠 High	Be Careful or Fail test.
🟡 Medium	Pass, Not-Detected or Safe Item.
🟢 Low	Function Detected

Manual Code Review Risk Results

Contract Privilege	Description
🟢 Buy Tax	0%
🟢 Sale Tax	0%
🟢 Cannot Buy	Pass
🟢 Cannot Sale	Pass
🟢 Max Tax	0%
ℹ Modify Tax	Yes
🟢 Fee Check	Pass
🟢 Is Honeypot?	Not Detected
🟢 Trading Cooldown	Not-Detected
🟢 Can Pause Trade?	Pass
🟢 Pause Transfer?	Not-Detected
🟢 Max Tx?	Pass
🟢 Is Anti Whale?	Not-Detected
🟢 Is Anti Bot?	Not-Detected

Contract Privilege	Description
🟢 Is Blacklist?	Not-Detected
🟢 Blacklist Check	Pass
🟢 is Whitelist?	Not-Detected
🟢 Can Mint?	Pass
🟢 Is Proxy?	Not Detected
🟢 Can Take Ownership?	Not Detected
🟢 Hidden Owner?	Not-Detected
i Owner	No
🟢 Self Destruct?	Not Detected
🟢 External Call?	Not-Detected
🟢 Other?	Not Detected
🟢 Holders	1
🟢 Auditor Confidence	High
🟡 KYC Present	No
🟡 KYC URL	

The following quick summary it's added to the project overview; however, there are more details about the audit and its results. Please read every detail.

Project Overview

Token Summary

Parameter	Result
Address	0xD573710dB209Ca8461CBa0DfF6Ec67f815821C3f
Name	PEPEARAB
Token Tracker	PEPEARAB (PEAB)
Decimals	18
Supply	500,000,000
Platform	ETHEREUM
compiler	v0.6.12+commit.27d51765
Contract Name	TeamToken
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://etherscan.io/address/0xd573710db209ca8461cba0dff6ec67f815821c3f#code
Payment Tx	Corporate

Main Contract Assessed
Contract Name

Name	Contract	Live
PEPEARAB	0xD573710dB209Ca8461CBa0DfF6Ec67f815821C3f	Yes

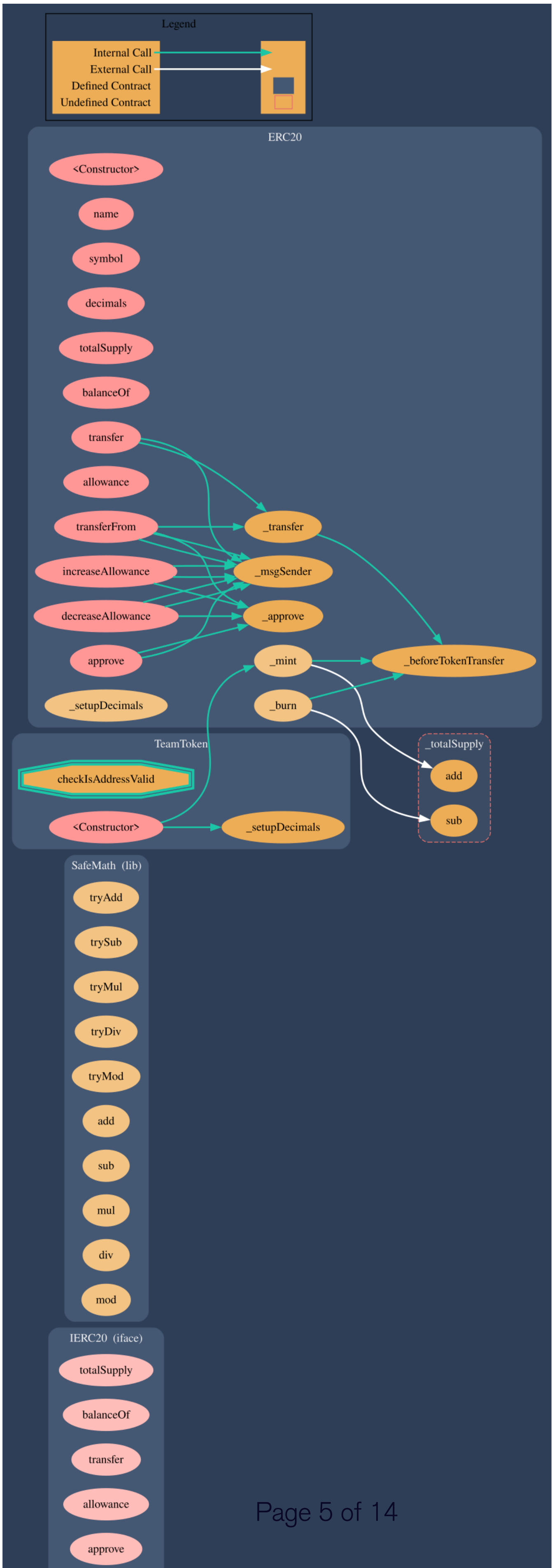
TestNet Contract was Not Assessed

Solidity Code Provided

SolID	File Sha-1	FileName
TeamToken	b9c286496b232257d5e5a1e7cd4feebafcebf306	TeamToken.sol
TeamToken		.sol
TeamToken		.sol
TeamToken		.sol
TeamToken		.sol
TeamToken		.sol

Call Graph

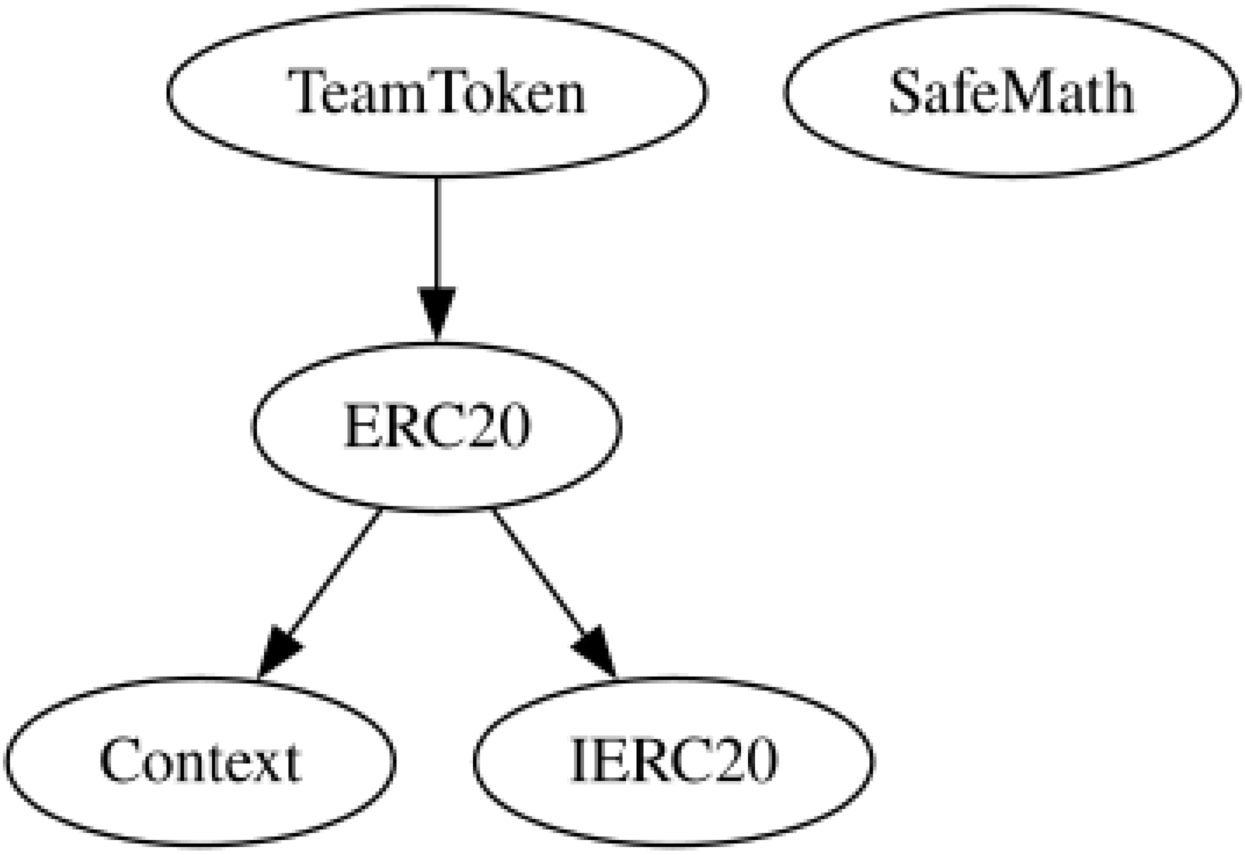
The contract for PEPEARAB has the following call graph structure.



Inheritance

The contract for PEPEARAB has the following inheritance structure.

The Project has a Total Supply of 500,000,000



PEAB-20 | Use of Older Solidity Version.

Category	Severity	Location	Status
	● Low	TeamToken.sol:	Detected

Description

The contract uses Solidity version range >=0.6.0 <0.8.0, which may lack recent security patches and features.

Remediation

Upgrade to a more recent stable version of Solidity (e.g., 0.8.x) to benefit from security improvements, new features, and optimizations.

Project Action

Technical Findings Summary

Classification of Risk

Severity	Description
🔴 Critical	Risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.
🟠 High	Risks can include centralization issues and logical errors. Under specific circumstances, these major risks can lead to loss of funds and/or control of the project.
🟡 Medium	Risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform
🟢 Low	Risks can be any of the above but on a smaller scale. They generally do not compromise the overall integrity of the Project, but they may be less efficient than other solutions.
ℹ Informational	Errors are often recommended to improve the code's style or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

Findings

Severity	Found	Pending	Resolved
🔴 Critical	0	0	0
🟠 High	0	0	0
🟡 Medium	1	0	0
🟢 Low	0	1	0
ℹ Informational	0	0	0
Total	1	1	0

Social Media Checks

Social Media	URL	Result
Twitter	https://x.com/PepeArabCOM	Pass
Other		N/A
Website	https://www.pepearab.com	Pass
Telegram	https://t.me/PepeArabCom	Pass

We recommend to have 3 or more social media sources including a completed working websites.

Social Media Information Notes:

Auditor Notes: undefined

Project Owner Notes:

Assessment Results

Score Results

Review	Score
Overall Score	92/100
Auditor Score	90/100
Review by Section	Score
Manual Scan Score	19
Auto Scan Score	37
Advance Check Score	36

The Following Score System Has been Added to this page to help understand the value of the audit, the maximum score is 100, however to attain that value the project most pass and provide all the data needed for the assessment. Our Passing Score has been changed to 84 Points for a higher standard, if a project does not attain 85% is an automatic failure. Read our notes and final assessment below.

Audit Passed

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Assessment Results

Important Notes:

- SafeMath Usage: SafeMath is correctly used to handle arithmetic operations, preventing overflow and underflow issues.ı
- Address Validation: The checkIsAddressValid modifier ensures that addresses are not zero and are valid Ethereum addresses.ı
- Constructor Checks: Validations in the constructor ensure that decimals are within a valid range (8-18) and the initial supply is greater than zero.ı
- Minting: Tokens are only minted during contract deployment, reducing the risk of unauthorized minting.ı
- Allowance Management: The contract includes increaseAllowance and decreaseAllowance functions to mitigate the known ERC20 allowance race condition issue.ı
- Access Control: There is no explicit access control mechanism beyond constructor parameters, which could be a concern if additional functionality is added in the future.ı
- Event Emission: The TeamFinanceTokenMint event is emitted upon minting, providing transparency for token creation.ı
- Gas Optimization: The code follows standard practices for gas optimization, such as using SafeMath efficiently.ı
- Older Solidity Version: The contract uses Solidity version range >=0.6.0 <0.8.0, which may lack recent security patches

and features.ı

- Potential Improvements: Consider adding role-based access control for future extensibility. Implement pausing or emergency stop mechanisms for enhanced security.ı

- Summary: The contract is a straightforward ERC20 implementation with basic security measures. It is suitable for simple token use cases but may require additional features for more complex scenarios.

Auditor Score =90
Audit Passed

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Appendix

Finding Categories

Centralization / Privilege

Centralization / Privilege findings refer to either feature logic or implementation of components that actagainst the nature of decentralization, such as explicit ownership or specialized access roles incombination with a mechanism to relocate funds.

Gas Optimization

Gas Optimization findings do not affect the functionality of the code but generate different, more optimalEVM opcodes resulting in a reduction on the total gas cost of a transaction.

Logical Issue

Logical Issue findings detail a fault in the logic of the linked code, such as an incorrect notion on howblock.timestamp works.

Control Flow

Control Flow findings concern the access control imposed on functions, such as owner-only functionsbeing invoke-able by anyone under certain circumstances.

Volatile Code

Volatile Code findings refer to segments of code that behave unexpectedly on certain edge cases that mayresult in a vulnerability.

Coding Style

Coding Style findings usually do not affect the generated byte-code but rather comment on how to makethe codebase more legible and, as a result, easily maintainable.

Inconsistency

Inconsistency findings refer to functions that should seemingly behave similarly yet contain different code,such as a constructor assignment imposing different require statements on the input variables than a setterfunction.

Coding Best Practices

ERC 20 Conding Standards are a set of rules that each developer should follow to ensure the code meet a set of creterias and is readable by all the developers.

Disclaimer

Assure Defi has conducted an independent security assessment to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the reviewed code for the scope of this assessment. This report does not constitute agreement, acceptance, or advocation for the Project, and users relying on this report should not consider this as having any merit for financial advice in any shape, form, or nature. The contracts audited do not account for any economic developments that the Project in question may pursue, and the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude, and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are entirely free of exploits, bugs, vulnerabilities or deprecation of technologies.

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