ASSURE DEFI®
THE VERIFICATION GOLD STANDARD

Security Assessment:

Pepoclown TOKEN

October 17, 2024

- 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	15%
Sale Tax	45%
Cannot Buy	Pass
Cannot Sale	Pass
Max Tax	45%
Modify Tax	Yes
Fee Check	Fail
Is Honeypot?	Not Detected
Trading Cooldown	Not Detected
Can Pause Trade?	Pass
Pause Transfer?	Not-Detected
Max Tx?	Fail
Is Anti Whale?	Not-Detected
Is Anti Bot?	Not-Detected

Contract Privilege	Description
Is Blacklist?	Not-Detected
Blacklist Check	Pass
is Whitelist?	Detected
Can Mint?	Pass
Is Proxy?	Not Detected
Can Take Ownership?	Not Detected
Hidden Owner?	Detected
Owner	No
Self Destruct?	Not Detected
External Call?	Not-Detected
Other?	Not Detected
Holders	3,075
Auditor Confidence	Medium
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	0xD8E8438CF7bEEd13cFABC82F300Fb6573962c9e3
Name	Pepoclown
Token Tracker	Pepoclown (HONK)
Decimals	9
Supply	420,690,000,000,000
Platform	ETHEREUM
compiler	v0.8.23+commit.f704f362
Contract Name	Pepoclown
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://etherscan.io/address/0xd8e8438cf7beed13cfabc82f300fb6573962c9e3#code
Payment Tx	Corporate

Main Contract Assessed
Contract Name

Name	Contract	Live
Pepoclown	0xD8E8438CF7bEEd13cFABC82F300Fb6573962c9e3	Yes

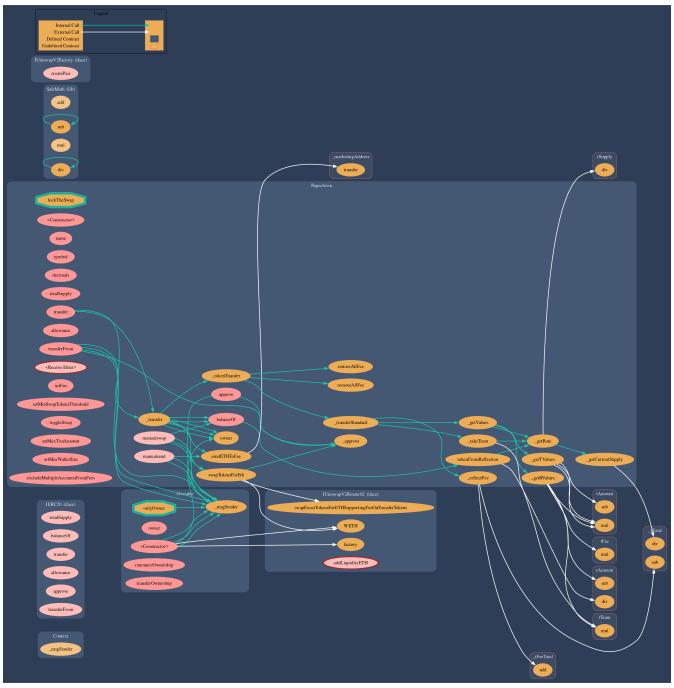
TestNet Contract was Not Assessed

Solidity Code Provided

SolID	File Sha-1	FileName
Pepoclown	405b93be168055a32f7cd2e7b11e593606c90496	Pepoclown.sol
Pepoclown		.sol
Pepoclown		.sol
Pepoclown		.sol
Pepoclown		.sol
Pepoclown		.sol

Call Graph

The contract for Pepoclown has the following call graph structure.



Inheritance

The contract for Pepoclown has the following inheritance structure.

The Project has a Total Supply of 420,690,000,000,000

HONK-03 | Lack of Input Validation.

Category	Severity	Location	Status
Volatile Code	Low	Pepoclown.sol: L: 545 C: 12, L: 559 C: 12, L: 579 C: 12, L: 585 C: 12, L: 591 C: 12, L: 596 C: 12, L: 611 C: 12, L: 616 C: 12, L: 0 C: 12	Detected

Description

The given input is missing the check for the non-zero address.

The given input is missing the check for the onlyOwners need to be revisited for require..

Remediation

We advise the client to add the check for the passed-in values to prevent unexpected errors as below:

```
...
 require(receiver != address(0), "Receiver is the zero address");
...
...
require(value X limitation, "Your not able to do this function");
...
```

We also recommend customer to review the following function that is missing a required validation. onlyOwners need to be revisited for require..

HONK-05 | Missing Event Emission.

Category	Severity	Location	Status
Volatile Code	Low	Pepoclown.sol: L: 601 C: 12, L: 809 C: 12, L: 816 C: 12	Detected

Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.The linked code does not create an event for the transfer.

Remediation

Emit an event for critical parameter changes. It is recommended emitting events for the sensitive functions that are controlled by centralization roles.

HONK-14 | Unnecessary Use Of SafeMath

Category	Severity	Location	Status
Logical Issue	Medium	Pepoclown.sol: L: 0 C: 0	Detected

Description

The SafeMath library is used unnecessarily. With Solidity compiler versions 0.8.0 or newer, arithmetic operations
will automatically revert in case of integer overflow or underflow.
library SafeMath {
An implementation of SafeMath library is found.
using SafeMath for uint256;
SafeMath library is used for uint256 type in contract.

Remediation

We advise removing the usage of SafeMath library and using the built-in arithmetic operations provided by the
Solidity programming language

Project Action

HONK-19 | Centralization Privileges of.

Category	Severity	Location	Status
	Medium	Pepoclown.sol: L: 393 C: 14,L: 385 C: 14,L: 341 C: 14,L: 306 C: 14,L: 299 C: 14,L: 269 C: 14	Detected

Description

Centralized Privileges are found on the following functions.

Remediation

undefined

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.
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	2	2	0
Low	2	2	0
Informational	0	0	0
Total	4	4	0

Social Media Checks

Social Media	URL	Result
Twitter	https://x.com/pepoclownhonk	Pass
Other		N/A
Website	https://pepoclownhonk.vip	Fail
Telegram	https://t.me/pepoclownhonk	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	86/100
Auditor Score	86/100
Review by Section	**Score**
Manual Scan Score	29
Auto Scan Score	37
Advance Check Score	20

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

Assessment Results

Important Notes:

- Creator/Depolyer has sold about 24 ETH worth of the token.ı
- High Fees:High buy (15%) and sell (45%) fees can deter trading and reduce liquidity. Recommendation: Consider reducing fees to encourage market activity and user participation.ı
- Owner Privileges: The owner has significant control, including setting fees, transaction limits, and excluding accounts from fees. Recommendation: Limit owner privileges or implement governance mechanisms to decentralize control.ı
- Centralization Risks: Development and marketing addresses have control over manual swaps and ETH transfers, which can be misused.Recommendation: Introduce multi-signature wallets or community voting for critical actions to reduce centralization.ı
- Trading Control: The owner can disable trading, which could be used maliciously to lock funds. Recommendation: Implement a timelock or community consensus mechanism for enabling/disabling trading.ı
- Reentrancy Concerns: lockTheSwap modifier prevents reentrancy during swaps. Recommendation: Review other functions for potential reentrancy vulnerabilities and apply additional safeguards if necessary.ı
- Lack of Timelocks: Immediate execution of owner actions can lead to abrupt changes. Recommendation: Implement

timelocks for critical functions to provide a buffer period for stakeholders.ı

- Bot Exploitation: Manual bot blacklisting is not comprehensive and may not effectively prevent bot activity. Recommendation: Develop automated detection and mitigation strategies for bot activity to enhance security.ı
- Manual Controls: Manual swap and send functions controlled by specific addresses can be abused. Recommendation: Implement checks and balances, such as requiring multiple approvals for large transactions.ı
- Code Complexity: Complex fee structures and manual controls can lead to errors or misuse. Recommendation: Simplify the fee logic and ensure comprehensive testing to prevent potential bugs.ı
- Transparency: Users may not fully understand the implications of high fees and owner controls. Recommendation: Clearly document and communicate all fees, controls, and potential risks to users.

Auditor Score =86
Audit Passed

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

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