

Smart Contract Audit

FOR

Pepe 2.0

DATED: 20 May 23'



AUDIT SUMMARY

Project name - Pepe 2.0

Date: 20 May, 2023

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: Passed

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	0	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0



USED TOOLS

Tools:

1- Manual Review:

a line by line code review has been performed by audit ace team.

2- BSC Test Network:

all tests were done on BSC Test network, each test has its transaction has attached to it.

3- Slither: Static Analysis

Testnet Link: all tests were done using this contract, tests are done on BSC Testnet

https://testnet.bscscan.com/token/0x7ce9A36Afc1f A469200f6D820EFF042CE79Ecb7C



Token Information

Token Name: Pepe 2.0

Token Symbol: Pepe 2.0

Decimals: 18

Token Supply: 420,690,000,000,000

Token Address:

0x5204802DE0C726F42574D7Ee95Dbc6E0a53497e7

Checksum:

2787a8b9ae4805dca44a8f5181423ea113f6b441

Owner:

0x56d7db7cE1128Cf8cB288650Cf614b8EBa03256b



TOKEN OVERVIEW

Fees:

Buy Fees: upto: 0%

Sell Fees: upto: 0 %

Transfer Fees: 0%

Fees Privilige: none

Ownership: 0x56d7db7cE1128Cf8cB288650Cf614b8EBa03256b

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Priviliges: enabling trades



AUDIT METHODOLOGY

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-byline in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code isexercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.



VULNERABILITY CHECKLIST





CLASSIFICATION OF RISK

Severity

- Critical
- High-Risk
- Medium-Risk
- Low-Risk
- Gas Optimization/Suggestion

Description

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

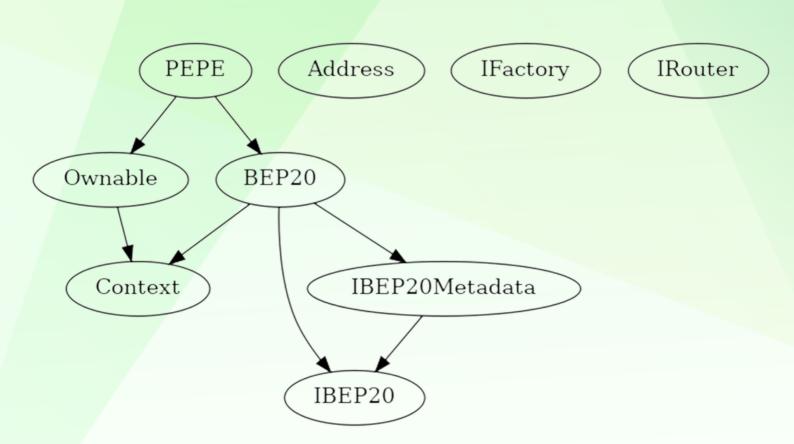
A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity	Found
◆ Critical	0
◆ High-Risk	0
◆ Medium-Risk	0
♦ Low-Risk	0
Gas Optimization /Suggestions	0



INHERITANCE TREE





POINTS TO NOTE

- Owner is not able to set buy/sell/transfer fees
- Owner is not able to blacklist an arbitrary address.
- Owner is not able to disable trades
- Owner is not able to limit buy/sell/transfer/wallet amounts
- Owner is not able to mint new tokens
- Owner must enable trades manually



CONTRACT ASSESMENT

```
| Contract |
                 Type
                               Bases
|<del>:-----:|:-----:|:-----:|:-----:|</del>
        | **Function Name** | **Visibility** | **Mutability** | **Modifiers** |
111111
**Context** | Implementation | |||
| L | _msgSender | Internal 🖰 | | | |
| | msgData | Internal 🦰 | | |
\Pi\Pi\Pi\Pi\Pi
| **IBEP20** | Interface | ||| |
| L | totalSupply | External | | NO | |
| L | balanceOf | External | | NO | |
📙 | transfer | External 📗 | 🛑 | NO 📗
| L | allowance | External | | NO | | |
| L | approve | External | | | NO | |
| L | transferFrom | External | | | NO | |
IIIIIII
| **IBEP20Metadata** | Interface | IBEP20 | | | |
| L | name | External | | NO | |
| L | symbol | External | | NO | |
| L | decimals | External | | NO | |
\Pi\Pi\Pi\Pi\Pi
| **BEP20** | Implementation | Context, IBEP20, IBEP20Metadata | | | | | |
| L | <Constructor> | Public | | ( ) | NO | |
| L | name | Public | | | NO | |
| L | symbol | Public | | | NO | |
| L | decimals | Public | | NO | |
| L | totalSupply | Public | | NO | |
| L | balanceOf | Public | | NO | |
| L | transfer | Public | | | | NO | |
| L | allowance | Public | | NO | |
| L | approve | Public | | | | NO | |
| L | transferFrom | Public | | | NO | |
| L | increaseAllowance | Public | | | NO | |
| L | decreaseAllowance | Public | | | NO | |
| L | _transfer | Internal 🦰 | 🛑 | |
| L | tokengeneration | Internal 🦰 | 🛑 | |
| L | _approve | Internal 🦰 | 🛑 | |
| **Address** | Library | | | |
| L | sendValue | Internal 🦰 | 🛑 | |
| **Ownable** | Implementation | Context | | |
```



CONTRACT ASSESMENT

```
| L | <Constructor> | Public | | ( NO | |
| L | owner | Public | | NO | |
| L | renounceOwnership | Public | | 🛑 | onlyOwner |
| L | transferOwnership | Public | | 🛑 | onlyOwner |
| L | setOwner | Private 🦳 | 🦲 | |
IIIIIII
| **IFactory** | Interface | |||
| | createPair | External | | | NO | |
111111
| **IRouter** | Interface | | | |
| | WETH | External | | NO
IIIIIII
| **PEPE** | Implementation | BEP20, Ownable | | | | |
| L | <Constructor> | Public | | ( ) | BEP20 |
| L | approve | Public | | | NO | |
| L | transferFrom | Public | | | NO | |
| L | increaseAllowance | Public | | | NO | |
| L | decreaseAllowance | Public | | | NO | |
| L | transfer | Public | | | NO | |
| L | transfer | Internal 🦲 | 🛑 | |
| L | EnableTrading | External | | | | onlyOwner |
| L | updateWhitelist | External | | | | onlyOwner |
| L | bulkWhitelist | External | | | | onlyOwner |
| L | rescueBNB | External | | | | onlyOwner |
| L | rescueBSC20 | External | | | | onlyOwner |
| L | burnBSC20 | External | | | | onlyOwner |
| L | <Receive Ether> | External | | I I INO | |
### Legend
| Symbol | Meaning |
|:-----|
| I Function is payable |
```



STATIC ANALYSIS

Result => A static analysis of contract's source code has been performed using slither,

No major issues were found in the output



FUNCTIONAL TESTING

Router (PCS V2):

0xD99D1c33F9fC3444f8101754aBC46c52416550D1

All the functionalities have been tested, no issues were found

1- Adding liquidity (passed):

https://testnet.bscscan.com/tx/0xd229fbb14857406f2a8a8d6b7d6bce6b93414ecef496c7c9c63cd62a987d3f5d

2- Buying (0% tax) (passed):

https://testnet.bscscan.com/tx/0xe142be7b9dc290e7754bd9c2d5 b3c1b6a389c7730a8e9a5dc5aa5294d81554ca

3- Selling (0% tax) (passed):

https://testnet.bscscan.com/tx/0xed3be86745aa51382ef0fda696dbf0e3fe3d26ff14adf0bcf6d51976b2f40dff

4- Transferring (0% tax) (passed):

https://testnet.bscscan.com/tx/0x2716198a6a789d97b97a525406 6ba7df45588a62d1fd2b9dba6cb0aed785870b



FUNCTIONAL TESTING

No issues Found



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