Audit Report for **Pepzilla** Date: 16 March 2024

Audit result: Passed with high risk.

Token Address: 0x9515903090cE3aB282C86947eeA0cFE2cf3e5219

Name: Pepzilla

Symbol: PEPZ

Decimals: 9

Network: BscScan

Token Type: BEP-20

Owner: 0xeEF82F3a26AB31f3EC3047d5f455Cf76C7dA95c9

Deployer: 0xeEF82F3a26AB31f3EC3047d5f455Cf76C7dA95c9

Token Supply: 100000000000

Checksum: Bc6659e84744e0102ab19c1d1e78a22a

Testnet:

https://testnet.bscscan.com/address/0x65d1041e604a3fb92c5401744c3c46b01a22bd1a#code

Token Overview:

Buy Fee: 5-100%

Sell Fee: 5-100%

Transfer Fee: 0-0%

Fee Privilege: Owner

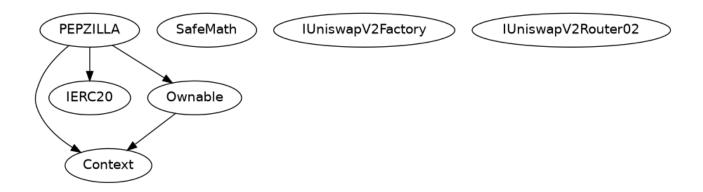
Ownership: Owned

Minting: None

Max Tx: Yes

Blacklist: Yes

Inheritance Tree



Static Analysis

A static analysis of the code was performed using Slither. No issues were found.

```
| NPO:Detectors:
| PEPZILLA.allowance(address,address,address).owner (PEPZILLA.sol#355) shadows:
| Ownable.owner() (PEPZILLA.sol#356-58) (function)
| PEPZILLA.approve(address,address,uint256).owner (PEPZILLA.sol#319) shadows:
| Ownable.owner() (PEPZILLA.sol#356-58) (function)
| Reference: https://jithub.com/crytic/slither/wiki/Detector-Documentation#Blocal-variable-shadowing
| NPO:Detectors:
| PEPZILLA.setFee(uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,u
```

```
EPZILLA._redisFee (PEPZILLA.sol#181) is set pre-construction with a non-constant function or state variable:
                    redisFeeOnSe
 PEPZILLA._taxFee (PEPZILLA.sol#182) is set pre-construction with a non-constant function or state variable:
                    _taxFeeOnSel
PEPZILLA._previousredisFee (PEPZILLA.sol#184) is set pre-construction with a non-constant function or state variable:
                    _redisFee
PEPZILLA._previoustaxFee (PEPZILLA.sol#185) is set pre-construction with a non-constant function or state variable:
-_taxFee
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#function-initializing-state
INFO:Detectors:
 Pragma version^0.8.17 (PEPZILLA.sol#9) allows old versions
 Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity
INFO:Detectors:
 Function IUniswapV2Router02.WETH() (PEPZILLA.sol#140) is not in mixedCase
Function IUniswapV2Router02.WETH() (PEPZILLA.sol#140) is not in mixedCase
Parameter PEPZILLA.setTrading(bool)._tradingOpen (PEPZILLA.sol#411) is not in mixedCase
Parameter PEPZILLA.toggleSwap(bool)._swapEnabled (PEPZILLA.sol#566) is not in mixedCase
Constant PEPZILLA._name (PEPZILLA.sol#163) is not in UPPER_CASE_WITH_UNDERSCORES
Constant PEPZILLA._symbol (PEPZILLA.sol#164) is not in UPPER_CASE_WITH_UNDERSCORES
Constant PEPZILLA._decimals (PEPZILLA.sol#165) is not in UPPER_CASE_WITH_UNDERSCORES
Constant PEPZILLA._tTotal (PEPZILLA.sol#172) is not in UPPER_CASE_WITH_UNDERSCORES
Variable PEPZILLA._buyMap (PEPZILLA.sol#187) is not in mixedCase
Variable PEPZILLA._maxTxAmount (PEPZILLA.sol#198) is not in mixedCase
Variable PEPZILLA._swapTokensAtAmount (PEPZILLA.sol#200) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-
     ference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions
External calls:
- sendETHToFee(address(this).balance) (PEPZILLA.sol#364)
- _marketingAddress.transfer(amount) (PEPZILLA.sol#408)
State variables written after the call(s):
- _tokenTransfer(from,to,amount,takeFee) (PEPZILLA.sol#390)
- _previousredisFee = _redisFee (PEPZILLA.sol#390)
- _tokenTransfer(from,to,amount,takeFee) (PEPZILLA.sol#390)
- _previoustaxFee = _taxFee (PEPZILLA.sol#307)
- _tokenTransfer(from,to,amount,takeFee) (PEPZILLA.sol#390)
- _rOwned[address(this)] = _rOwned[address(this)].add(rTeam) (PEPZILLA.sol#471)
- _rOwned[sender] = _rOwned[sender].sub(rAmount) (PEPZILLA.sol#461)
```

```
INFO:Detectors:

PEPZILLA.slitherConstructorVariables() (PEPZILLA.sol#159-586) uses literals with too many digits:

- __maxTxAmount = 2000000000 * 10 ** 9 (PEPZILLA.sol#198)

PEPZILLA.slitherConstructorVariables() (PEPZILLA.sol#159-586) uses literals with too many digits:

- _maxWalletSize = 3000000000 * 10 ** 9 (PEPZILLA.sol#199)

PEPZILLA.slitherConstructorVariables() (PEPZILLA.sol#159-586) uses literals with too many digits:

- _swapTokensAtAmount = 10000000000 * 10 ** 9 (PEPZILLA.sol#200)

PEPZILLA.slitherConstructorConstantVariables() (PEPZILLA.sol#159-586) uses literals with too many digits:

- _tTotal = 100000000000 * 10 ** 9 (PEPZILLA.sol#159-586) uses literals with too many digits:

- _tTotal = 100000000000 * 10 ** 9 (PEPZILLA.sol#172)

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#coo-many-digits

INFO:Detectors:

PEPZILLA._tOwned (PEPZILLA.sol#168) is never used in PEPZILLA (PEPZILLA.sol#159-586)

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#unused-state-variable

INFO:Detectors:

PEPZILLA._marketingAddress (PEPZILLA.sol#188) should be constant

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-constant

INFO:Detectors:

PEPZILLA.uniswapV2Pair (PEPZILLA.sol#192) should be immutable

PEPZILLA.uniswapV2Pair (PEPZILLA.sol#191) should be immutable

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable

INFO:Slither:PEPZILLA.sol analyzed (7 contracts with 93 detectors), 48 result(s) found
```

Functional Tests Router (PCS V2):

1- Approve (passed):

 $\underline{https://testnet.bscscan.com/tx/0x43d4bc7221e8e849feb3c4228f40bb59000758e5a1b8538a42ce86fe}\\ 3e5ac78b$

2- Block Bots (passed):

 $\underline{\text{https://testnet.bscscan.com/tx/0x191ca9a44c849347503fd4d4e150257f614291686a53a81135b0f362}}\\ \text{cc1c31c2}$

3- Set Fee (passed):

 $\frac{https://testnet.bscscan.com/tx/0xfc87dfb51f663639c1985fc7203135a72dc1023abea4d293b4f726b0}{7b0bf85b}$

4- Set Max Txn Amount (passed):

 $\frac{https://testnet.bscscan.com/tx/0x03da289b29e8e559fd188da3664041b8bb253fc1b90a5a3957ae0377a0d1568f}{$

5- Set Trading (passed):

 $\underline{https://testnet.bscscan.com/tx/0x1d1504b08046d4359f528fbb264f4d09e71f576599ef5078a7e4b72bf6dfd07f}$

Ownership Privileges:

- The owner can transfer ownership.
- The owner can renounce ownership.
- The owner can set trading.
- The owner can set the fees more than 100%.
- The owner can block/unblock address.
- The owner can set max Txn Amount.
- The owner can set max wallet size.
- The owner can exclude multiple accounts from fees.

Findings: Critical: 0 High: 3 Medium: 0 Low: 2

Informational & Optimizations: 2

Centralization – Buy and Sell fees.

Severity: High Function: setFee Status: Open Overview:

The owner can set the buy and sell fees up to 100%, which is not recommended.

Suggestion:

It is recommended that no fees in the contract should be more than 25% of the contract.

Centralization – The owner can Blacklist

Wallet.

Severity: High
Function: blockBots

Status: Open Overview:

The owner can blacklist multiple wallets.

```
function blockBots(address[] memory bots_) public onlyOwner {
    for (uint256 i = 0; i < bots_.length; i++) {
        bots[bots_[i]] = true;
    }
}</pre>
```

Suggestion:

There should be a locking period so that the wallet cannot be locked for an indefinite Period of time.

Centralization – The owner can lock the token.

Severity: High

Function: setMaxTxnAmount

Status: Open Overview:

In this changeWalletLimit.

```
function setMaxTxnAmount(uint256 maxTxAmount) public onlyOwner {
    _maxTxAmount = maxTxAmount;
}
```

Suggestion:

It is recommended that there be a required check for zero address.

Centralization – **Missing Events**

Severity: Low

Subject: Missing Events

Status: Open Overview:

They serve as a mechanism for emitting and recording data onto the blockchain, making it transparent and easily accessible.

Suggestion:

Emit an event for critical changes.

Centralization – Local Variable Shadowing

Severity: Low Status: Open

Subject: Shadowing Local

Overview:

Suggestion:

Rename the local variable that shadows another component.

Optimization

Severity: Informational Subject: Floating Pragma.

Status: Open Overview:

It is considered best practice to pick one compiler version and stick with it. With a floating pragma, contracts may accidentally be deployed using an outdated.

```
pragma solidity ^0.8.9;
```

Suggestion:

Adding the latest constant version of solidity is recommended, as this prevents the unintentional deployment of a contract with an outdated compiler that contains unresolved bugs.

Optimization

Severity: Informational Subject: Remove Safe Math

Status: Open Line: 78-121 Overview:

compiler version above 0.8.0 can control arithmetic overflow/underflow, it is recommended to remove the unwanted code to avoid high gas fees.