



# SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



**Zola**  
\$ZOLA

09/02/2023



# TOKEN OVERVIEW

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## Fees

- Buy fees: 7%
- Sell fees: 7%

## Fees privileges

- Can't change fees

## Ownership

- Owned

## Minting

- No mint function

## Max Tx Amount / Max Wallet Amount

- Can't change max tx amount or max wallet amount

## Blacklist

- Blacklist function not detected

## Other privileges

- Can exclude / include from fees
-

# TABLE OF CONTENTS

1

**DISCLAIMER**

2

**INTRODUCTION**

3-4

**AUDIT OVERVIEW**

5-6

**OWNER PRIVILEGES**

7

**CONCLUSION AND ANALYSIS**

8

**TOKEN DETAILS**

9

**ZOLA TOKEN ANALYTICS &  
TOP 10 TOKEN HOLDERS**

10

**TECHNICAL DISCLAIMER**



# DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website <https://freshcoins.io>

FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy ( RUG or Honeypot etc )



# INTRODUCTION

**FreshCoins** (Consultant) was contracted by **Zola** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

**0x85128F08ADEF4B50EABf262b4c9674d5ACEbe8F2**

Network: **Binance Smart Chain (BSC)**

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on **09/02/2023**



# AUDIT OVERVIEW



Security Score



## Static Scan

Automatic scanning for common vulnerabilities



## ERC Scan

Automatic checks for ERC's conformance



High



Medium



Low



Optimizations



Informational



No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Passed
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Passed
8	Methods execution permissions	Passed
9	Exchange rate impact	Passed
10	Malicious Event	Passed
11	Scoping and Declarations	Passed
12	Uninitialized storage pointers	Passed
13	Design Logic	Passed
14	Safe Zeppelin module	Passed

# OWNER PRIVILEGES

- Contract owner can't mint tokens after initial contract deploy
- Contract owner can't exclude an address from transactions
- Contract owner can exclude wallet from tax

```
function setWhitelist(address _addr) external onlyOwner {
    _isFeeExempt[_addr] = true;
}
```

- Contract owner can change rebase settings

```
function setAutoRebase(bool _flag) external onlyOwner {
    if (_flag) {
        _autoRebase = _flag;
        _lastRebasedTime = block.timestamp;
    } else {
        _autoRebase = _flag;
    }
}
```

- Contract owner can change **treasuryReceiver**, **zolaRecoveryFundReceiver**, **pairAddress** and **pairContract** addresses

Current values:

**treasuryReceiver:** 0xa84bdb3a959c57c3aa71dbf6a2311b99ab05939a

**zolaRecoveryFundReceiver:** 0xc825cb917f3c19876255144b1620fb32b6f3ddddd

**pairAddress :** 0x0bd0d928681989ce32bc099ec09bb5610b3fe40b

**pairContract :** 0x0bd0d928681989ce32bc099ec09bb5610b3fe40b

```
function setFeeReceivers(
    address _treasuryReceiver,
    address _zolaRecoveryFundReceiver
) external onlyOwner {
    treasuryReceiver = _treasuryReceiver;
    zolaRecoveryFundReceiver = _zolaRecoveryFundReceiver;
}

function setPairAddress(address _pairAddress) external onlyOwner {
    pairAddress = _pairAddress;
}

function setLP(address _address) external onlyOwner {
    pairContract = IPancakeSwapPair(_address);
}
```



## ● Contract owner can transfer ownership

```
function transferOwnership(address newOwner) external onlyOwner {
    _transferOwnership(newOwner);
}

function _transferOwnership(address newOwner) internal {
    require(newOwner != address(0));
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

## ● Contract owner can renounce ownership

```
function renounceOwnership() external onlyOwner {
    emit OwnershipRenounced(_owner);
    _owner = address(0);
}
```

### Recommendation:

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.



# CONCLUSION AND ANALYSIS



Smart Contracts within the scope were manually reviewed and analyzed with static tools.



Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.



Found no HIGH issues during the first review.

# TOKEN DETAILS

## Details

Buy fees: 7%

Sell fees: 7%

Max TX: N/A

Max Sell: N/A

## Honeypot Risk

Ownership: Owned

Blacklist: Not detected

Modify Max TX: Not detected

Modify Max Sell: Not detected

Disable Trading: Not detected

## Rug Pull Risk

Liquidity: N/A

Holders: Clean



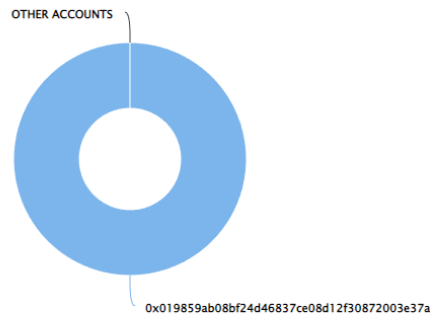
# ZOLA TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (5,000,000.00 Tokens) of Zola

Token Total Supply: 5,000,000.00 Token | Total Token Holders: 1

## Zola Top 10 Token Holders

Source: BscScan.com



(A total of 5,000,000.00 tokens held by the top 10 accounts from the total supply of 5,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x019859ab08bf24d46837ce08d12f30872003e37a	5,000,000	100.0000%

- **Verified Token Contract:**  
0x85128F08ADEF4B50EABf262b4c9674d5ACEbe8F2#code
- **Open Zeppelin Time-lock Controller:**  
0x1878FCf431e1BD35F2e775965A001256Cfd7707f#code
- **Gnosis Multi-Sig Proposer of the Time-lock Controller:**  
0xDDb347B2866cdF59B0964aD5e3fcCEf375BaFF70#code
- **Treasury Wallet:**  
0xa84bdb3a959C57C3aa71DbF6a2311b99aB05939a#code
- **Recovery Fund Wallet:**  
0xc825cb917F3C19876255144B1620fb32B6F3dDDd#code
- **Renouncing the admin rights of the Time lock Contract:**  
0x46ebd9ce51eaa0139f523c00687d6657b7e54f9fc9f08b23012ec025dfc82220
- **Transferring the ownership of Zola Coin to the Time lock Contract:**  
0x1ddb58dde9b814a833ee623de4f47a1162060a58fe2b55fd8964b2ace4d2523

# TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.

