



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



ShibmetaCake
\$SHIBC

06/05/2023

TOKEN OVERVIEW

Fees

- Buy fees: 10%
- Sell fees: 10%

Fees privileges

- Can change / set fees up to 100%

Ownership

- Owned

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- Can change max tx amount and max wallet limitations (without threshold)

Blacklist

- No blacklist function

Other privileges

- Can enable / disable trade
-

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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 **ShibmetaCake** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x7cc99bA55cd4Bf7a794388BbD6fB5AA2f2A3638C

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 **06/05/2023**



WEBSITE DIAGNOSTIC

<https://www.shibmetacake.com/>



0-49



50-89



90-100



Performance



Accessibility



Best
Practices



SEO



Progressive
Web App

Socials



Twitter

https://twitter.com/SHIBMETA_CAKE



Telegram

<https://t.me/ShibmetaCake>

AUDIT OVERVIEW



Security Score
HIGH RISK
Audit FAIL



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.
- It is recommended to have a function in smart contract that exclude certain wallets or transactions from fees. This can be achieved by implementing a specific function within the contract's code.
- Contract owner can change max tx amount or max wallet limitations (without threshold)

Transfers can be disabled if `_maxTxAmount` or `_maxWalletSize` value is set to a very low value

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

function setMaxWalletSize(uint256 maxWalletSize) public onlyOwner {
    _maxWalletSize = maxWalletSize;
}
```

- Contract owner can change max tx amount and max wallet limitations with total supply values (max values)

```
function setMaxWalletAndTx() public onlyOwner {
    _maxWalletSize = _tTotal;
    _maxTxAmount = _tTotal;
}
```

- Contract owner can change swap settings

```
function setMinSwapTokensThreshold(uint256 swapTokensAtAmount) public onlyOwner {
    _swapTokensAtAmount = swapTokensAtAmount;
}

function toggleSwap(bool _swapEnabled) public onlyOwner {
    swapEnabled = _swapEnabled;
}
```

- Contract owner can enable/disable trade

The owner is permitted to trade even when the trading feature is disabled

```
function setTrading(bool _tradingOpen) public onlyOwner {
    tradingOpen = _tradingOpen;
}
```

● Contract owner can change fees up to 100%

```
function setFee(uint256 redisFeeOnBuy, uint256 redisFeeOnSell, uint256 taxFeeOnBuy, uint256 taxFeeOnSell)
public onlyOwner {
    _redisFeeOnBuy = redisFeeOnBuy;
    _redisFeeOnSell = redisFeeOnSell;
    _taxFeeOnBuy = taxFeeOnBuy;
    _taxFeeOnSell = taxFeeOnSell;
}
```

● Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _owner = address(0);
}
```

● Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {
    require(newOwner != address(0), "Ownable: new owner is the zero address");
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

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 3 HIGH issues during the first review.

TOKEN DETAILS

Details

Buy fees:	10%
Sell fees:	10%
Max TX:	500,000,000
Max Sell:	N/A

Honeypot Risk

Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Detected
Modify Max Sell:	Not detected
Disable Trading:	Detected

Others

Liquidity:	N/A
Holders:	Clean



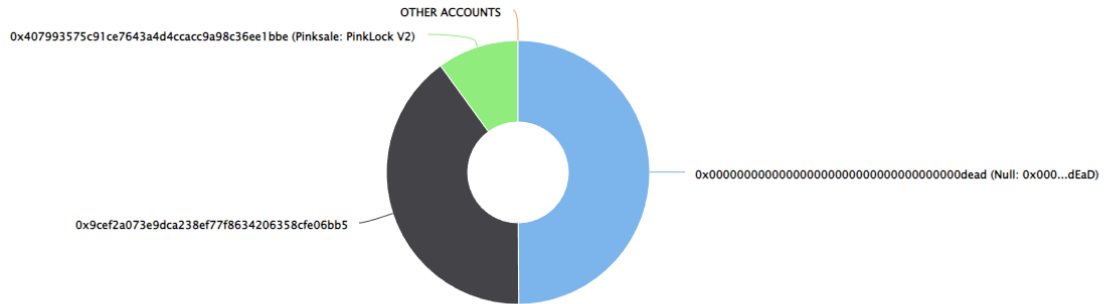
SHIBC TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (500,000,000.00 Tokens) of ShibmetaCake

Token Total Supply: 500,000,000.00 Token | Total Token Holders: 3

ShibmetaCake Top 10 Token Holders

Source: BscScan.com



(A total of 500,000,000.00 tokens held by the top 10 accounts from the total supply of 500,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	Null: 0x000...dEaD	249,592,500	49.9185%
2	0x9cef2a073e9dca238ef77f8634206358cfe06bb5	200,407,500	40.0815%
3	Pinksale: PinkLock V2	50,000,000	10.0000%

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.

