freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

Shiba Cent

$SBC

08/08/2022

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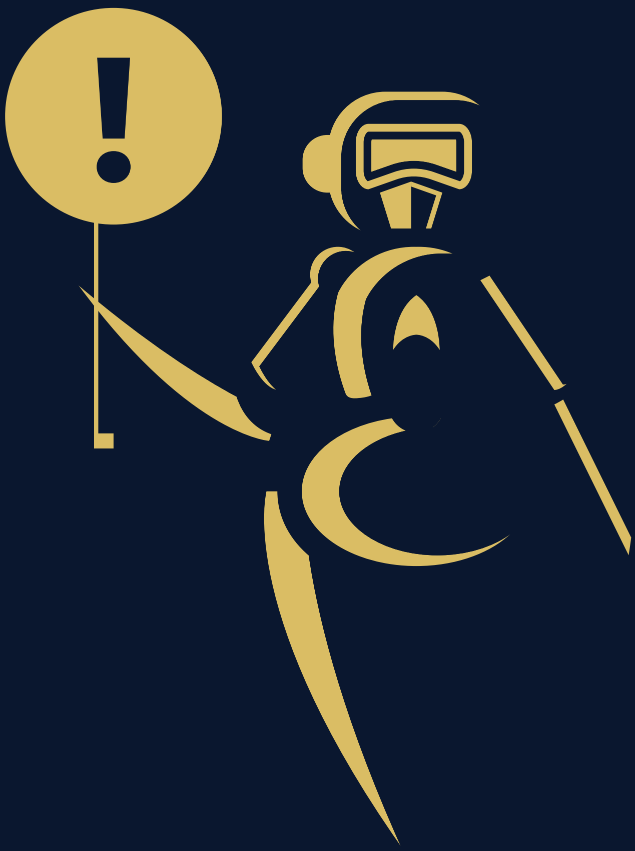
DISCLAIMER

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 Shiba Cent (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x13EE60E445a63c06DCbE62d378Ea6E2F417cA29a

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 08/08/2022

AUDIT OVERVIEW

82

Security Score

80 **Static Scan**
Automatic scanning for
common vulnerabilities

96 **ERC Scan**
Automatic checks for
ERC's conformance

2	High
3	Medium
0	Low
0	Optimizations
0	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 change swap status

```
function setSwapAndLiquifyEnabled(bool _enabled) public onlyOwner {
        swapAndLiquifyEnabled = _enabled;
        emit SwapAndLiquifyEnabledUpdated(_enabled);
}
```

- 🟡 Contract owner can exclude/include wallet from tax

```
function excludeFromFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = true;
}

function includeInFee(address account) public onlyOwner {
        _isExcludedFromFee[account] = false;
}
```

- 🟡 Contract owner can exclude/include wallet from rewards

```
function excludeFromReward(address account) public onlyOwner() {
        require(!_isExcluded[account], "Account is already excluded");
        if(_rOwned[account] > 0) {
            _tOwned[account] = tokenFromReflection(_rOwned[account]);
        }
        _isExcluded[account] = true;
        _excluded.push(account);
}

function includeInReward(address account) external onlyOwner() {
        require(_isExcluded[account], "Account is already included");
        for (uint256 i = 0; i < _excluded.length; i++) {
            if (_excluded[i] == account) {
                _excluded[i] = _excluded[_excluded.length - 1];
                _tOwned[account] = 0;
                _isExcluded[account] = false;
                _excluded.pop();
                break;
            }
        }
}
```

🔴 Contract owner can change fees up to 100%

```
function setTaxFeePercent(uint256 taxFee) external onlyOwner() {
        _taxFee = taxFee;
}

function setDevelopmentFeePercent(uint256 developmentFee) external onlyOwner() {
        _developmentFee = developmentFee;
}

function setLiquidityFeePercent(uint256 liquidityFee) external onlyOwner() {
        _liquidityFee = liquidityFee;
}
```

🔴 Contract owner can change max tx amount (without threshold)

```
function setMaxTxPercent(uint256 maxTxPercent) external onlyOwner() {
        _maxTxAmount = _tTotal.mul(maxTxPercent).div(
            10**3
        );
}
```

🟢 Contract owner can renounce ownership

```
function renounceOwnership() external 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 2 HIGH issues during the first review.

TOKEN DETAILS

Details

Buy fees:	5%
Sell fees:	5%
Max TX:	1,000,000,000
Max Sell:	N/A

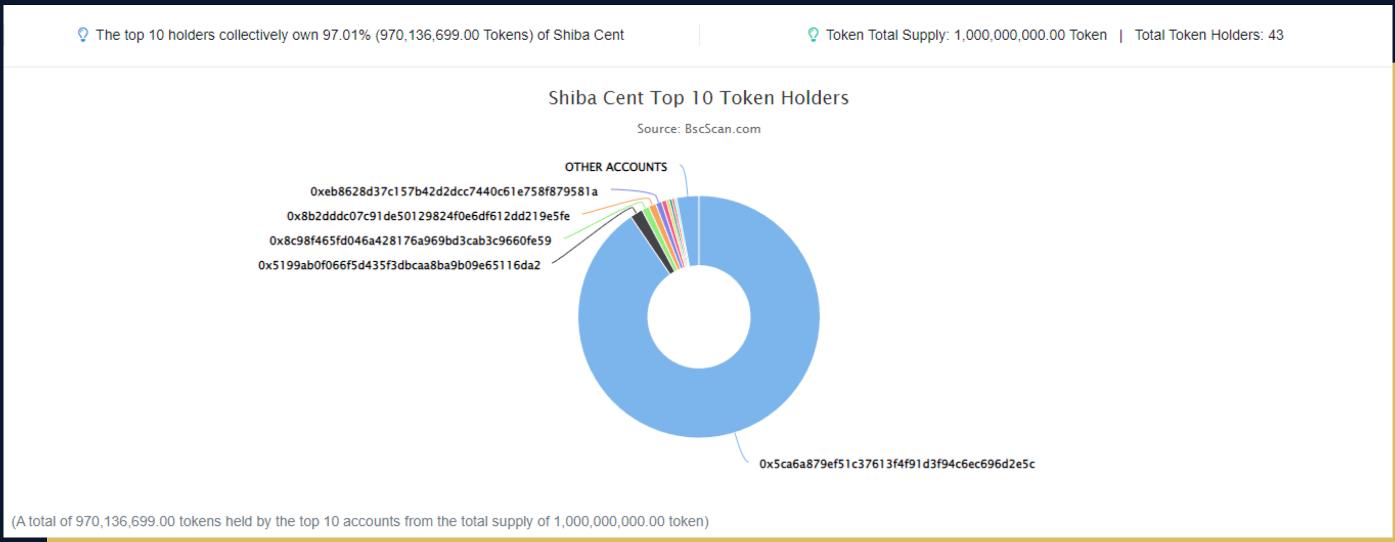
Honeypot Risk

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

Rug Pull Risk

Liquidity:	N/A
Holders:	Clean

SHIBA CENT TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS



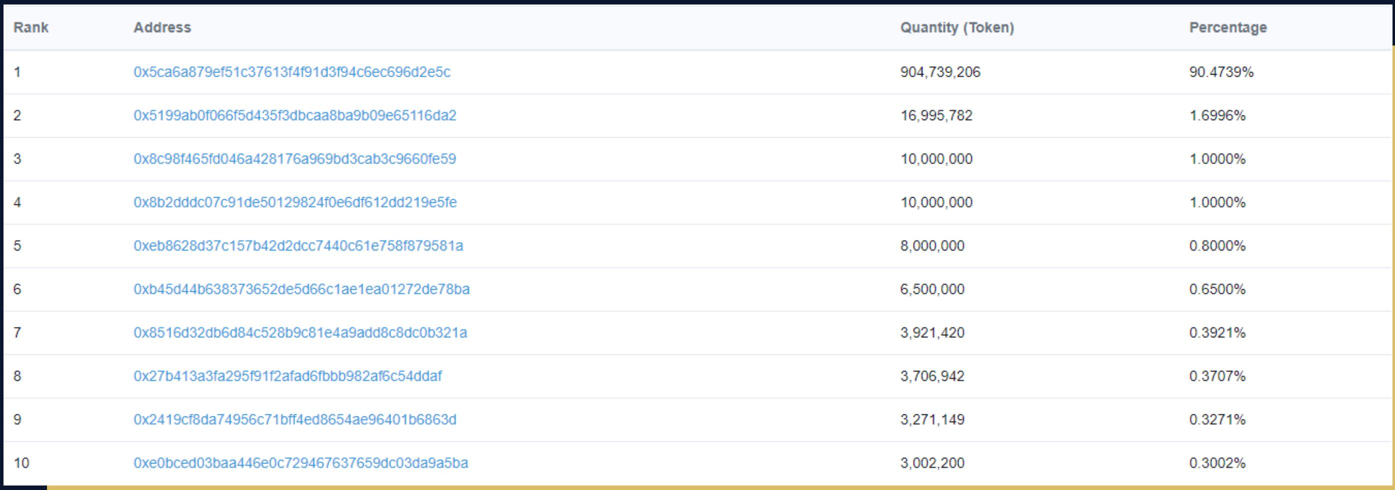
The top 10 holders collectively own 97.01% (970,136,699.00 Tokens) of Shiba Cent | Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 43

Shiba Cent Top 10 Token Holders

Source: BscScan.com

OTHER ACCOUNTS
0xeb8628d37c157b42d2dcc7440c61e758f879581a
0x8b2dddc07c91de50129824f0e6df612dd219e5fe
0x8c98f465fd046a428176a969bd3cab3c9660fe59
0x5199ab0f066f5d435f3dbcaa8ba9b09e65116da2
0x5ca6a879ef51c37613f4f91d3f94c6ec696d2e5c

(A total of 970,136,699.00 tokens held by the top 10 accounts from the total supply of 1,000,000,000.00 token)



Rank	Address	Quantity (Token)	Percentage
1	0x5ca6a879ef51c37613f4f91d3f94c6ec696d2e5c	904,739,206	90.4739%
2	0x5199ab0f066f5d435f3dbcaa8ba9b09e65116da2	16,995,782	1.6996%
3	0x8c98f465fd046a428176a969bd3cab3c9660fe59	10,000,000	1.0000%
4	0x8b2dddc07c91de50129824f0e6df612dd219e5fe	10,000,000	1.0000%
5	0xeb8628d37c157b42d2dcc7440c61e758f879581a	8,000,000	0.8000%
6	0xb45d44b638373652de5d66c1ae1ea01272de78ba	6,500,000	0.6500%
7	0x8516d32db6d84c528b9c81e4a9add8c8dc0b321a	3,921,420	0.3921%
8	0x27b413a3fa295f91f2afad6fbbb982af6c54ddaf	3,706,942	0.3707%
9	0x2419cf8da74956c71bff4ed8654ae96401b6863d	3,271,149	0.3271%
10	0xe0bced03baa446e0c729467637659dc03da9a5ba	3,002,200	0.3002%

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.