freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

CyberCoin
$CBC

13/03/2023

TOKEN OVERVIEW

Fees

• Buy fees: 5%

• Sell fees: 10%

• Transfer fees: 0%

Fees privileges

• Can change fees up to 25%

Ownership

• Owned

Minting

• No mint function

Max Tx Amount / Max Wallet Amount

• Can't change / set max tx amount or max wallet amount

Blacklist

• Blacklist function detected

Other privileges

• Can exclude / include fees

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

0x5A26ea72a6EB66a039bF162Bc55A9a7C7c57AF21

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 13/03/2023

CyberCoin
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WEBSITE DIAGNOSTIC

https://cybergirls.world/

0-49	50-89	90-100

94 Performance

91 Accessibility

90 Best Practices

90 SEO

NA Progressive Web App

Socials

Twitter

https://twitter.com/cybergirlseth

Telegram

https://t.me/cybergirlseth

AUDIT OVERVIEW

78

Security Score

94 Static Scan
Automatic scanning for common vulnerabilities

74 ERC Scan
Automatic checks for ERC's conformance

1 High

1 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 exclude an address from transactions**

```
function setBot(address account, bool flag) public onlyOwner {
    require(_botList[account] != flag, "Already set to this value");
    _botList[account] = flag;
}
```

● **Contract owner can include / exclude wallet from tax**

```
function excludeFromFees(address account, bool excluded) external onlyOwner{
    require(_isExcludedFromFees[account] != excluded,"Account is already the value of 'excluded'");
    _isExcludedFromFees[account] = excluded;

    emit ExcludeFromFees(account, excluded);
}
```

● **Contract owner can change marketingWallet address**

Current value:

marketingWallet: 0x30ec1080c989a6ba1be53e38ef21661ac1b59a3a

```
function changeMarketingWallet(address _marketingWallet) external onlyOwner{
    require(_marketingWallet != marketingWallet,"Marketing wallet is already that address");
    require(_marketingWallet != address(0),"Marketing wallet cannot be the zero address");
    marketingWallet = _marketingWallet;

    emit MarketingWalletChanged(marketingWallet);
}
```

● **Contract owner can withdraw tokens from smart contract**

except own tokens

```
function claimStuckTokens(address token) external onlyOwner {
    require(token != address(this), "Owner cannot claim contract's balance of its own tokens");
    if (token == address(0x0)) {
        payable(msg.sender).sendValue(address(this).balance);
        return;
    }
    IERC20 ERC20token = IERC20(token);
    uint256 balance = ERC20token.balanceOf(address(this));
    ERC20token.transfer(msg.sender, balance);
}
```

● Contract owner can change fees up to 25%

maxFee = 25;

```solidity
function updateBuyFees(uint256 _marketingFeeOnBuy) external onlyOwner {
    marketingFeeOnBuy = _marketingFeeOnBuy;
    require(marketingFeeOnBuy + marketingFeeOnSell + walletToWalletTransferFee <= maxFee, "Total Fees
cannot exceed the maximum");

    emit UpdateBuyFees(marketingFeeOnBuy);
}

function updateSellFees(uint256 _marketingFeeOnSell) external onlyOwner {
    marketingFeeOnSell = _marketingFeeOnSell;
    require(marketingFeeOnBuy + marketingFeeOnSell + walletToWalletTransferFee <= maxFee, "Total Fees
cannot exceed the maximum");

    emit UpdateSellFees(marketingFeeOnSell);
}

function updateWalletToWalletTransferFee(uint256 _walletToWalletTransferFee) external onlyOwner {
    require(marketingFeeOnBuy + marketingFeeOnSell + walletToWalletTransferFee <= maxFee, "Total Fees
cannot exceed the maximum");
    walletToWalletTransferFee = _walletToWalletTransferFee;

    emit UpdateWalletToWalletTransferFee(walletToWalletTransferFee);
}
```

● Contract owner can transfer ownership

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

● Contract owner can renounce ownership

```solidity
function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _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 1 HIGH issues during the first review.

TOKEN DETAILS

Details

Buy fees:	5%
Sell fees:	10%
Transfer fees:	0%
Max TX:	N/A
Max Sell:	N/A

Honeypot Risk

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

Rug Pull Risk

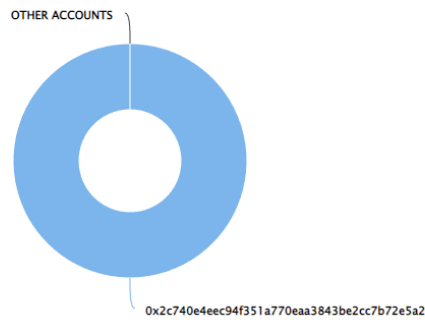|	
Liquidity:	N/A
Holders:	Clean

CBC TOKEN ANALYTICS
& TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (50,000,000.00 Tokens) of CyberCoin | Token Total Supply: 50,000,000.00 Token | Total Token Holders: 1

CyberCoin Top 10 Token Holders
Source: BscScan.com

OTHER ACCOUNTS

0x2c740e4eec94f351a770eaa3843be2cc7b72e5a2

(A total of 50,000,000.00 tokens held by the top 10 accounts from the total supply of 50,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x2c740e4eec94f351a770eaa3843be2cc7b72e5a2	50,000,000	100.0000%

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.