



# SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



14/01/2022



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

0x881c3F97d994F7ba6B8a2d5488f32Ed9aB15e502

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 14/01/2022



# WEBSITE DIAGNOSTIC

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



0-49



50-89



90-100



Performance



Accessability



Best Practices



SEO



Progressive  
Web App

## Metrics



First Contentful Paint

**13.2 s**



Time to interactive

**15.4 s**



Speed Index

**9.7 s**



Total Blocking Time

**1,590 ms**



Large Contentful Paint

**22.2 s**



Cumulative Layout Shift

**0**

# Website Improvements

---

Eliminate render-blocking resources

---

Reduce unused CSS

---

Properly size images

---

Reduce initial server response time

---

Reduce unused JavaScript

---

Ensure text remains visible during webfont load

---

Reduce the impact of third-party code Third-party code blocked the main thread for 1,810 ms

---

Background and foreground colors do not have a sufficient contrast ratio.

---

Links do not have a discernible name

---

# 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	Low
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 exclude an address from transactions.

Contract owner can mint tokens after initial contract deploy

```
function mint(address to, uint256 amount) public onlyOwner {  
    _mint(to, amount);  
}
```

Contract owner can burn tokens from any wallet address

```
function burnFrom(address account, uint256 amount) external {  
    _burnFrom(account, amount);  
}
```

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;  
}
```

# 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 LOW issue during the first review.

# TOKEN DETAILS

## Details

Buy fees: N/A

Sell fees: N/A

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



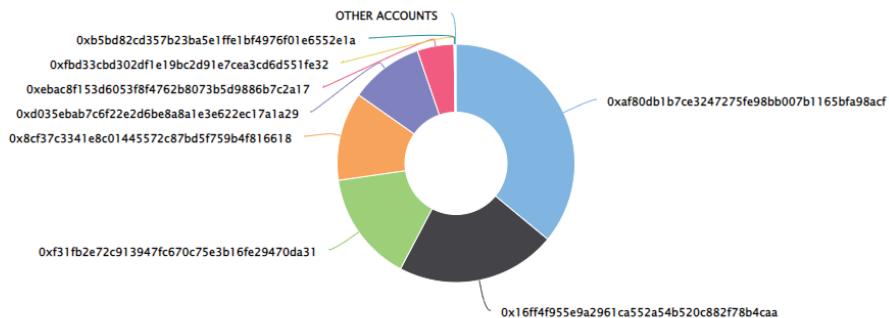
# BITCHRO TOKEN DISTRIBUTION & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 99.89% (998,924,922.33 Tokens) of BITChro

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 91

BITChro Top 10 Token Holders

Source: BscScan.com



(A total of 998,924,922.33 tokens held by the top 10 accounts from the total supply of 1,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0xaf80db1b7ce3247275fe98bb007b1165bfa98acf	360,001,449,999999999999999999	36.0001%
2	0x16ff4f955e9a2961ca552a54b520c882f78b4caa	217,311,466,6666666666666666665	21.7311%
3	0xf31fb2e72c913947fc670c75e3b16fe29470da31	149,997,805,6666666666666666672	14.9998%
4	0x8cf37c3341e8c01445572c87bd5f759b4f816618	120,166,200	12.0166%
5	0xd035ebab7c6f22e2d6be8a8a1e3e622ec17a1a29	99,923,000	9.9923%
6	0xebac8f153d6053f8f4762b8073b5d9886b7c2a17	50,000,000	5.0000%
7	0xfbcd33cbd302df1e19bc2d91e7cea3cd6d551fe32	600,000	0.0600%
8	0xb5bd82cd357b23ba5e1ffe1bf4976f01e6552e1a	325,000	0.0325%
9	0x4614f4bbdef1f5a38ff748793f5b1522746e968e	300,000	0.0300%
10	0x8af8bff6cb5d01b1b1dd4403b95d0aa7a932402d	300,000	0.0300%

# 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.

