



## SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Brass Exchange  
\$BRASS



07/03/2022



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

0x06bF2bE067109FBE4663945a11A59aF3225864B7

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 07/03/2022



# WEBSITE DIAGNOSTIC

<https://www.brass.exchange/>



0-49



50-89



90-100



Performance



Accessibility



Best Practices



SEO



Progressive  
Web App

## Metrics



First Contentful Paint

**4.2 s**



Time to interactive

**14.2 s**



Speed Index

**8.1 s**



Total Blocking Time

**2,410 ms**



Large Contentful Paint

**10.3 s**



Cumulative Layout Shift

**0**

# 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 disable trading.

Contract owner can't exclude an address from transactions.

Contract owner can't set / change buy & sell taxes.

Contract owner can't change swap settings.

Contract owner can't change tx amount.

Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {  
    _setOwner(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");  
    _setOwner(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 no 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



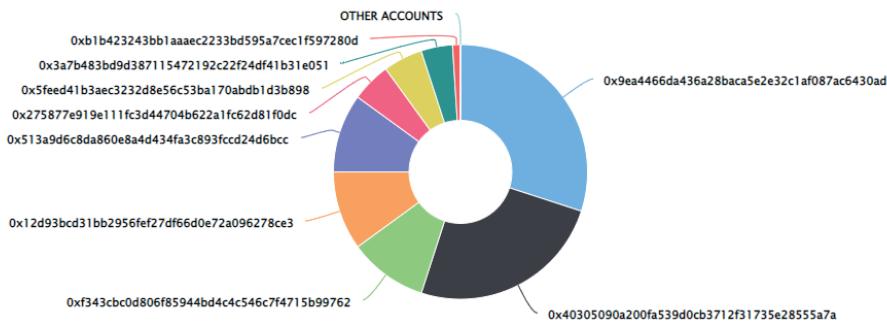
# BRASS EXCHANGE TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (1,000,000,000.00 Tokens) of Brass Exchange

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 9

Brass Exchange Top 10 Token Holders

Source: BscScan.com



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

Rank	Address	Quantity (Token)	Percentage
1	0x9ea4466da436a28baca5e2e32c1af087ac6430ad	300,000,000	30.0000%
2	0x40305090a200fa539d0cb3712f31735e28555a7a	250,000,000	25.0000%
3	0xf343cbc0d806f85944bd4c4c546c7f4715b99762	100,000,000	10.0000%
4	0x12d93bcd31bb2956fef27df66d0e72a096278ce3	100,000,000	10.0000%
5	0x513a9d6c8da860e8a4d434fa3c893fccd24d6bcc	100,000,000	10.0000%
6	0x275877e919e111fc3d44704b622a1fc62d81f0dc	50,000,000	5.0000%
7	0x5feed41b3aec3232d8e56c53ba170abdb1d3b898	50,000,000	5.0000%
8	0x3a7b483bd9d387115472192c22f24df41b31e051	40,000,000	4.0000%
9	0xb1b423243bb1aaaec2233bd595a7cec1f597280d	10,000,000	1.0000%

# 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.

