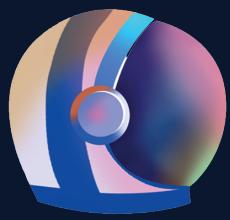




SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Astronaut
\$Astronaut



12/02/2022



TABLE OF CONTENTS

- 1 DISCLAIMER
- 2 INTRODUCTION
- 3-4 WEBSITE DIAGNOSTIC
- 5-6 AUDIT OVERVIEW
- 7-8 OWNER PRIVILEGES
- 9 CONCLUSION AND ANALYSIS
- 10 TOKEN DETAILS
- 11 ASTRONAUT TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS
- 12 TECHNICAL DISCLAIMER



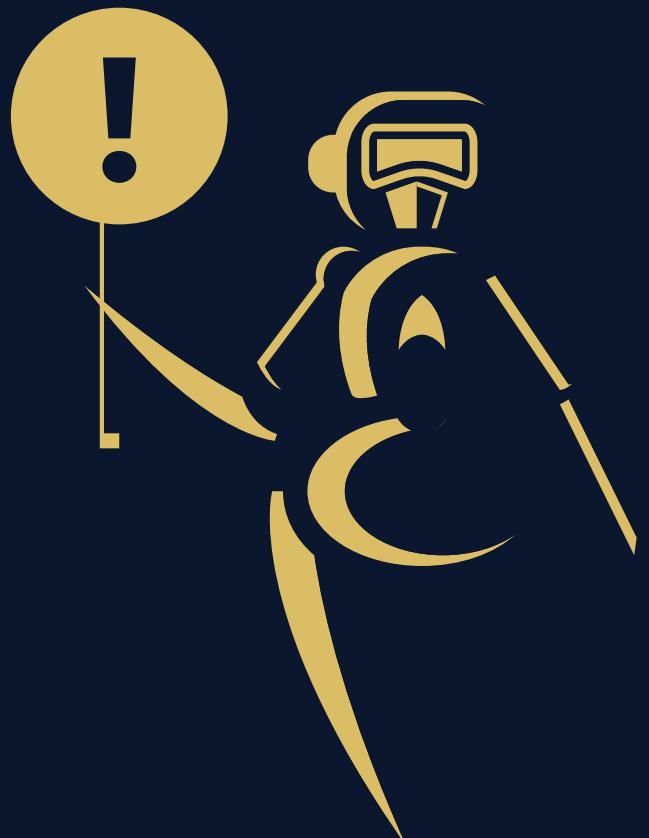
DISCLAIMER

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

0x497f1956382C7408751a41C53D4DF15eA213317b

Network: Binance Smart Chain (BNB)

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on 12/02/2022



WEBSITE DIAGNOSTIC

<http://astronautcoin.io/>



0-49



50-89



90-100



Performance



Accessibility



Best Practices



SEO



Progressive
Web App

Metrics



First Contentful Paint

4.5 s



Time to interactive

3.6 s



Speed Index

5.1 s



Total Blocking Time

60 ms



Large Contentful Paint

6.7 s



Cumulative Layout Shift

0.051

WEBSITE IMPROVEMENTS

Reduce unused JavaScript

Image elements do not have explicit `width` and `height`

Avoid enormous network payloads Total size was 4,520 KiB

Image elements do not have `[alt]` attributes

Links do not have a discernible name

`<html>` element does not have a `[lang]` attribute

Does not use HTTPS 54 insecure requests found

Serves images with low resolution



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 exclude an address from transactions.

Contract owner can't mint tokens after initial contract deploy

Contract owner can exclude/include wallet from fees

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

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

Contract owner can change swap settings

```
function setNumTokensToSwap(uint256 amount) external onlyOwner() {
    require(numTokensToSwap != amount);
    numTokensToSwap = amount;
}
```

Contract owner can send tokens to multiple wallets from `marketingAddress`

```
function sendMarketToken(address[] memory userAddress,uint amount) public onlyOwner {
    for(uint i = 0;i<userAddress.length;i++){
        _transfer(marketingAddress,userAddress[i],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;
}
```

Contract owner can change `bnbPoolAddress`, `marketingAddress` addresses

Current values:

marketingAddress : 0x99ef4756f22d93bf86d688fa6f1af5b7555bebc5

```
function setBNBPoolAddress(address account) external onlyOwner {  
    require(account != bnbPoolAddress, 'This address was already used');  
    bnbPoolAddress = account;  
}  
  
function setMarketingAddress(address account) external onlyOwner {  
    require(account != marketingAddress, 'This address was already used');  
    marketingAddress = account;  
}
```

Contract owner can enable/disable fees

```
function setFeeActive(bool value) external onlyOwner{
    require(isFeeActive != value, "Already set");
    isFeeActive = value;
}
```

Contract owner can change swap settings

```
function setSwapEnabled(bool enabled) external onlyOwner {
    require(swapEnabled != enabled, "Already set");
    swapEnabled = enabled;
}
.
.
.
function setMinTokensBeforeSwap(uint256 _amount) external onlyOwner {
    minTokensBeforeSwap = _amount;
}
```

Contract owner can change the fees

```
function setFees(uint256 BNBPoolFee, uint256 LpFee) external onlyOwner() {
    require(_BNBPoolFee != BNBPoolFee || _LpFee != LpFee);
    require(BNBPoolFee + LpFee <= 8);
    _BNBPoolFee = BNBPoolFee;
    _LpFee = LpFee;
    emit UpdateFees(BNBPoolFee, LpFee);
}
```

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:	7%
Sell fees:	7%
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



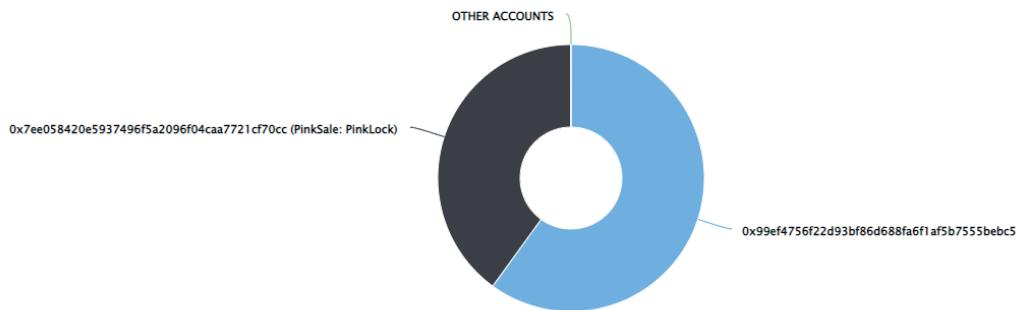
ASTRONAUT TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

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

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 2

Astronaut 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	0x99ef4756f22d93bf86d688fa61af5b7555bebc5	600,000,000	60.0000%
2	PinkSale: PinkLock	400,000,000	40.0000%

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.

