



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



horgi
\$HORGI

11/01/2022

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

0x4F5C381861333097AFA97E98a8D6DC0eB0D69ec4

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 11/01/2022



WEBSITE DIAGNOSTIC

<https://horgitoken.org/>



0-49



50-89



90-100



Performance



Accessability



Best Practices



SEO



Progressive
Web App

Metrics



First Contentful Paint

2.3 s



Time to interactive

3.8 s



Speed Index

3.6 s



Total Blocking Time

220 ms



Large Contentful Paint

7.8 s



Cumulative Layout Shift

0

Website Improvements

Properly size images

Eliminate render-blocking resources

Reduce the impact of third-party code Third-party code blocked the main thread for 340 ms

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

Image elements do not have `[alt]` attributes

Background and foreground colors do not have a sufficient contrast ratio

`[id]` attributes on active, focusable elements are not unique

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 exclude an address from transactions.

Contract owner can exclude/include wallet from fee

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

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

Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    _transferOwnership(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");
    _transferOwnership(newOwner);
}
```

Contract owner can change max tx & max wallet amount

```
function setMaxTxAmount(uint256 maxTxAmount) external onlyOwner() {
    require(maxTxAmount > _tTotal.div(10000), "Amount must be greater than 0.01% of supply");
    require(maxTxAmount <= _tTotal, "Amount must be less than or equal to totalSupply");
    _maxTxAmount = maxTxAmount;
    emit MaxTxAmountUpdated(_maxTxAmount);
}

.

.

.

function setMaxWalletAmount(uint256 maxWalletAmount) external onlyOwner() {
    require(maxWalletAmount > _tTotal.div(200), "Amount must be greater than 0.5% of supply");
    require(maxWalletAmount <= _tTotal, "Amount must be less than or equal to totalSupply");
    _maxWalletAmount = maxWalletAmount;
    emit MaxWalletAmountUpdated(_maxWalletAmount);
}
```

Contract owner can change the fees

```
function setTaxes(uint256 marketingFee, uint256 liquidityFee, uint256 teamFee, uint256 stakingPoolFee)
external onlyOwner() {
    uint256 totalFee = marketingFee.add(liquidityFee).add(teamFee).add(stakingPoolFee);
    require(totalFee <= 15, "Sum of fees must be less than or equals to 15");

    _marketingFee = marketingFee;
    _liquidityFee = liquidityFee;
    _teamFee = teamFee;
    _stakingPoolFee = stakingPoolFee;

    _previousMarketingFee = _marketingFee;
    _previousLiquidityFee = _liquidityFee;
    _previousTeamFee = _teamFee;
    _previousStakingPoolFee = _stakingPoolFee;

    uint256 totalBNBfees = _marketingFee.add(_teamFee).add(_stakingPoolFee);

    _marketingPercent = (_marketingFee.mul(1000)).div(totalBNBfees);
    _teamPercent = (_teamFee.mul(1000)).div(totalBNBfees);
    _stakingPoolPercent = (_stakingPoolFee.mul(1000)).div(totalBNBfees);

    emit FeesUpdated(_marketingFee, _liquidityFee, _teamFee, _stakingPoolFee);
}
```

Contract owner can change swap settings

```
function setSwapAndLiquifyEnabled(bool _enabled) public onlyOwner {
    require(swapAndLiquifyEnabled != _enabled, "Value already exists!");
    swapAndLiquifyEnabled = _enabled;
    emit SwapAndLiquifyEnabledUpdated(_enabled);
}
```

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: | 10% |
| Sell fees: | 10% |
| Max TX: | 10000000000000000000000000000000 |
| Max Sell: | N/A |

Honeypot Risk

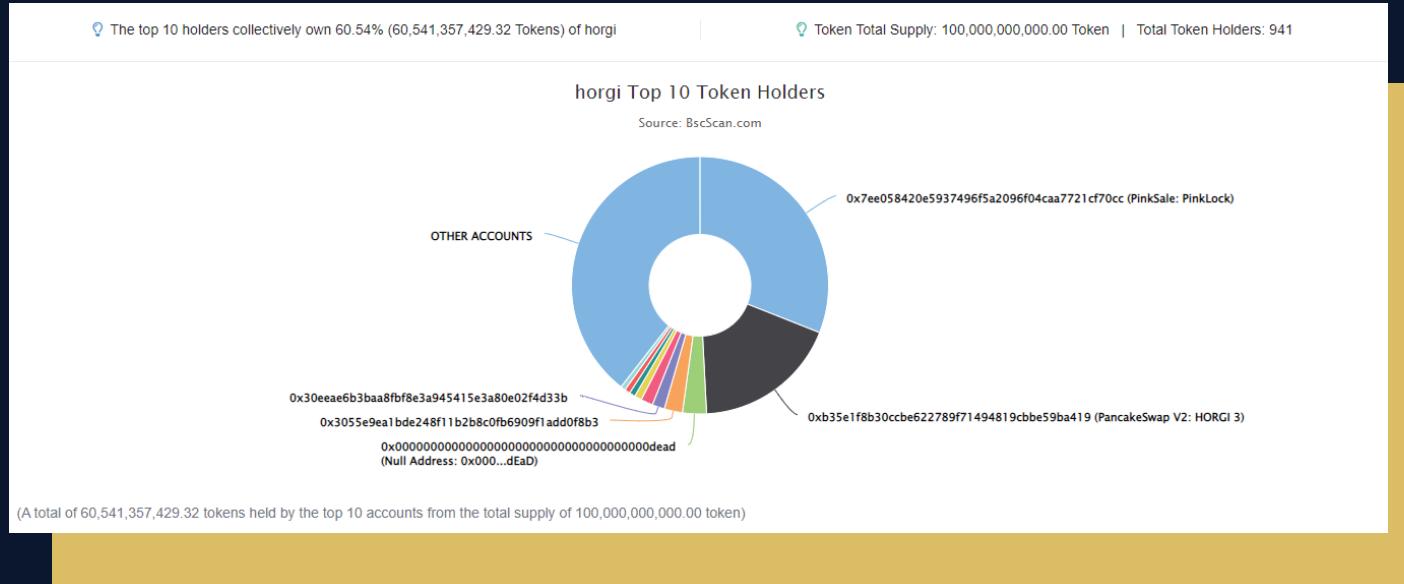
| | |
|------------------|--------------|
| Ownership: | Owned |
| Blacklist: | Not detected |
| Modify Max TX: | Detected |
| Modify Max Sell: | Not detected |
| Disable Trading: | Not detected |

Rug Pull Risk

| | |
|------------|---|
| Liquidity: | 18.2499% Locked (Unlock Date: 2023.01.06 20:02 UTC / in a year) |
| Holders: | Clean |



HORGI TOKEN DISTRIBUTION & TOP 10 TOKEN HOLDERS



| Rank | Address | Quantity (Token) | Percentage |
|------|--|-----------------------------------|------------|
| 1 | PinkSale: PinkLock | 31,000,000,000 | 31.0000% |
| 2 | PancakeSwap V2: HORGI 3 | 18,193,751,036.066608278653143465 | 18.1938% |
| 3 | Null Address: 0x000...dEaD | 3,000,000,000 | 3.0000% |
| 4 | 0x3055e9ea1bde248f11b2b8c0fb6909f1add0f8b3 | 2,300,000,000 | 2.3000% |
| 5 | 0x30eeae6b3baa8bf8e3a945415e3a80e02f4d33b | 1,557,081,927.876064930961886393 | 1.5571% |
| 6 | 0x45487a5e8131bef4133a6884420c40ad23efa1fd | 1,509,377,463.10391036324758554 | 1.5094% |
| 7 | 0x4eebe388eb7e35474ad858d0f9c3754a3c1dd39a | 929,520,967.013385411466302889 | 0.9295% |
| 8 | 0x49513bc6590c3ed764ed115e14ef2b258b0fd17 | 747,035,100.0027 | 0.7470% |
| 9 | 0x1c25243210d8b64c35fe776e390b82f126b77b90 | 704,066,897.191258494460323891 | 0.7041% |
| 10 | 0xc480bf019ab71a6dc6984f5eb02c622ae62e2100 | 600,524,038.06778 | 0.6005% |

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.

