freshcoins

# SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT


## PugDroid

**$DROID**

**01/02/2022**

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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.

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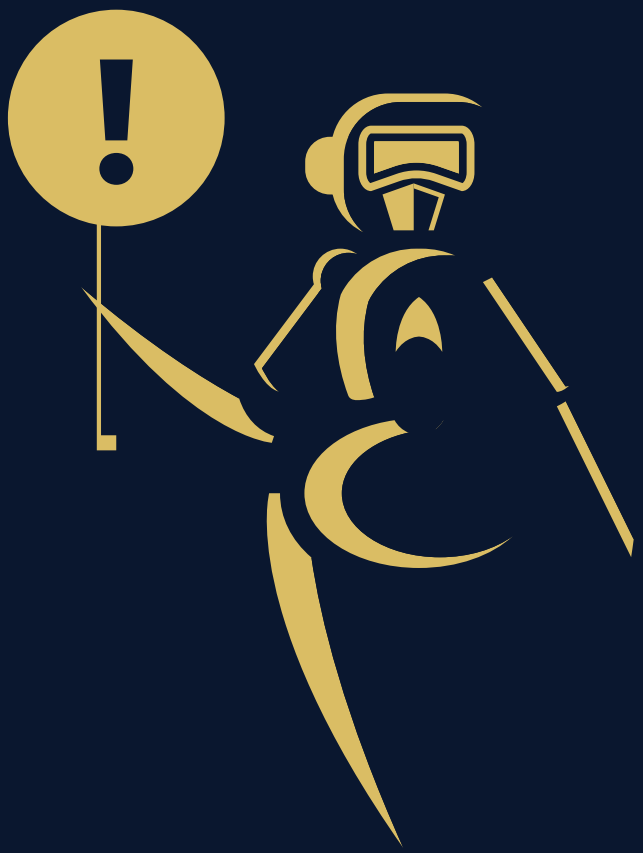
The score and the result will stay on this project page information on our website https://freshcoins.io
FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy ( RUG or Honeypot etc )



# INTRODUCTION

FreshCoins (Consultant) was contracted by PugDroid (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0xc5a2F11D8870f84A585C5cd67357D2cdCb2114D9

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 01/02/2022

# WEBSITE DIAGNOSTIC

https://www.pugdroid.com/


0-49


50-89


90-100

Performance

Accessibility

Best Practices

SEO

Progressive Web App

## Metrics

First Contentful Paint
**1.7 s**

Time to interactive
**3.7 s**

Speed Index
**4.2 s**

Total Blocking Time
**60 ms**

Large Contentful Paint
**2.6 s**

Cumulative Layout Shift
**0**

# AUDIT OVERVIEW

97

Security Score

96

**Static Scan**
Automatic scanning for common vulnerabilities

98

**ERC Scan**
Automatic checks for ERC's conformance

0 High

0 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/include wallet(s) from fee

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

        emit ExcludeFromFees(account, excluded);
    }

    function excludeMultipleAccountsFromFees(
        address[] calldata accounts,
        bool excluded
    ) public onlyOwner {
        for (uint256 i = 0; i < accounts.length; i++) {
            _isExcludedFromFees[accounts[i]] = excluded;
        }

        emit ExcludeMultipleAccountsFromFees(accounts, excluded);
    }
```

## 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);
    }
```

## Contract owner can change tx amount

```
function setSwapTokensAtAmount(uint256 amount) external onlyOwner {
        swapTokensAtAmount = amount;
    }
```

## Contract owner can change fees up to 25%

```
function setTokenRewardsFee(uint256 value) external onlyOwner {
        tokenRewardsFee = value;
        totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
        require(totalFees <= 25, "Total fee is over 25%");
}

function setLiquiditFee(uint256 value) external onlyOwner {
        liquidityFee = value;
        totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
        require(totalFees <= 25, "Total fee is over 25%");
}

function setMarketingFee(uint256 value) external onlyOwner {
        marketingFee = value;
        totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
        require(totalFees <= 25, "Total fee is over 25%");
}
```

## Contract owner can change _marketingWalletAddress address

### Current address:

_marketingWalletAddress = 0x68988b553c294123eb5d2686fcdf19bf91ea613e

```
function setMarketingWallet(address payable wallet) external onlyOwner {
        _marketingWalletAddress = wallet;
}
```

### 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 no issue during the first review.

# TOKEN DETAILS

## Details

| | |
|---|---|
| Buy fees: | 12% |
| Sell fees: | 12% |
| Max TX: | N/A |
| Max Sell: | N/A |

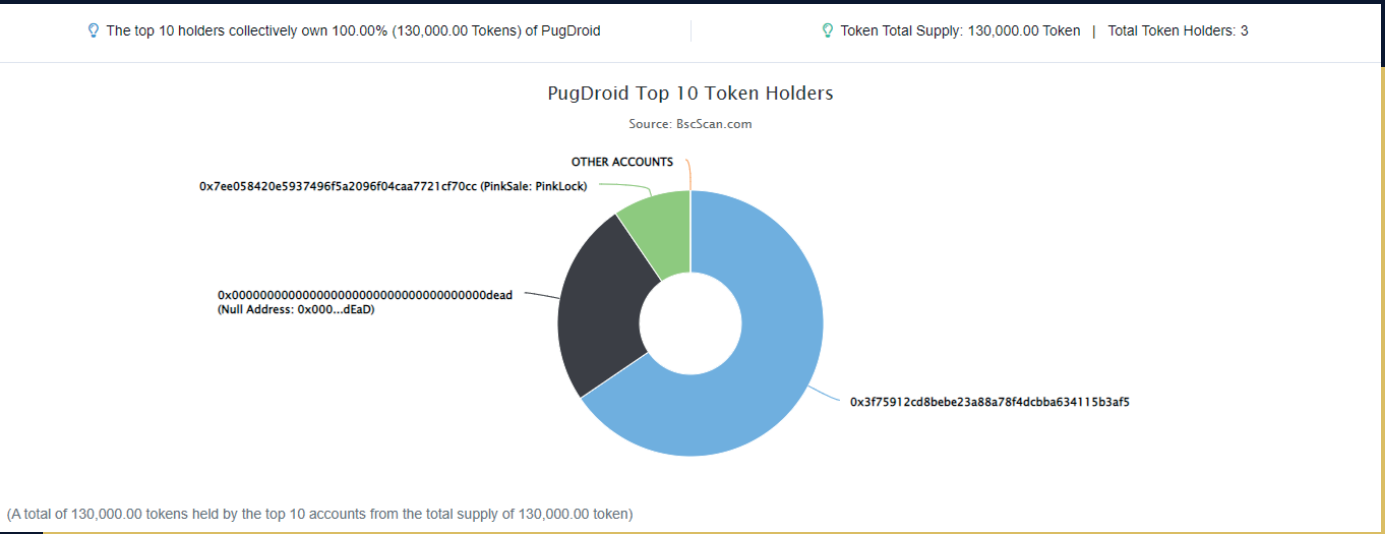
## Honeypot Risk

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

## Rug Pull Risk

| | |
|---|---|
| Liquidity: | N/A |
| Holders: | Clean |

# PUGDROID TOKEN DISTRIBUTION & TOP 10 TOKEN HOLDERS




| Rank | Address | Quantity (Token) | Percentage |
|---|---|---|---|
| 1 | 0x3f75912cd8bebe23a88a78f4dcbba634115b3af5 | 85,150 | 65.5000% |
| 2 | Null Address: 0x000...dEaD | 32,500 | 25.0000% |
| 3 | PinkSale: PinkLock | 12,350 | 9.5000% |

1. 0x3f75912cd8bebe23a88a78f4dcbba634115b3af5 - PinkSale presale address
2. 0x000000000000000000000000000000000000dead - Burned Tokens
3. PinkSale PinkLock 0x7ee058420e5937496f5a2096f04caa7721cf70cc - Locked Tokens

Unlock Time: 2022.05.01 13:00 UTC

# 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.