freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

MetaSol Island

$MSI

16/05/2022

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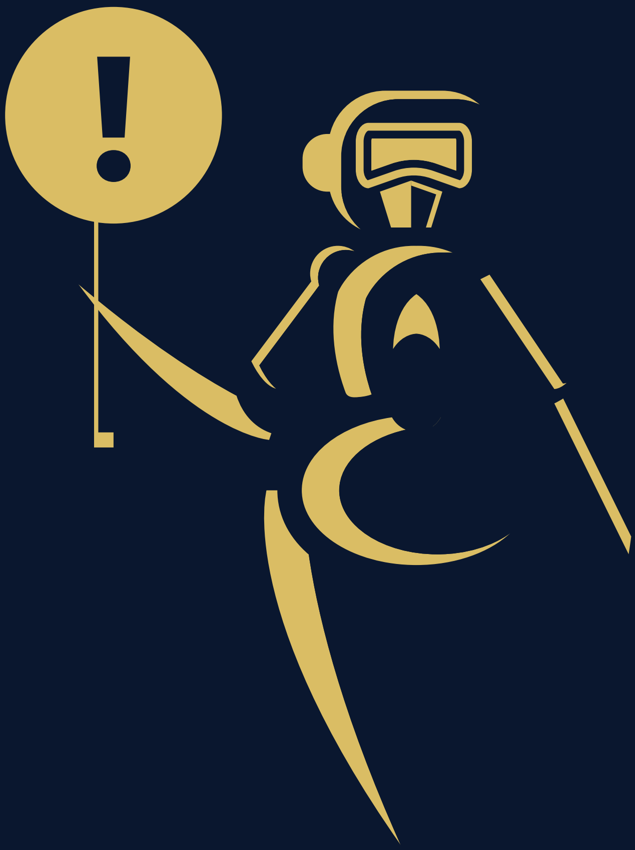
DISCLAIMER

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

0xC32f0c3147E616928bE939a92ADE531f325D7Cf2

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 16/05/2022

AUDIT OVERVIEW

98

Security Score

98

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't exclude an address from transactions

Contract owner can exclude/include wallet from tax

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

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

Contract owner can exclude/include wallet from rewards

```
function excludeFromReward(address account) public onlyOwner {
        // require(account != 0x7a250d5630B4cF539739dF2C5dAcb4c659F2488D, 'We can not exclude Uniswap router.');
        require(!_isExcluded[account], "Account is already excluded");
        if (_rOwned[account] > 0) {
            _tOwned[account] = tokenFromReflection(_rOwned[account]);
        }
        _isExcluded[account] = true;
        _excluded.push(account);
    }

function includeInReward(address account) external onlyOwner {
        require(_isExcluded[account], "Account is already excluded");
        for (uint256 i = 0; i < _excluded.length; i++) {
            if (_excluded[i] == account) {
                _excluded[i] = _excluded[_excluded.length - 1];
                _tOwned[account] = 0;
                _isExcluded[account] = false;
                _excluded.pop();
                break;
            }
        }
}
```

Contract owner can change swap settings

```
function setSwapAndLiquifyEnabled(bool _enabled) public onlyOwner {
        swapAndLiquifyEnabled = _enabled;
        emit SwapAndLiquifyEnabledUpdated(_enabled);
}
```

Contract owner can change fees up to 25%

```
function setTaxFeePercent(uint256 taxFeeBps) external onlyOwner {
        _taxFee = taxFeeBps;
        require(
            _taxFee + _liquidityFee + _charityFee <= 10**4 / 4,
            "Total fee is over 25%"
        );
}

function setLiquidityFeePercent(uint256 liquidityFeeBps)
        external
        onlyOwner
    {
        _liquidityFee = liquidityFeeBps;
        require(
            _taxFee + _liquidityFee + _charityFee <= 10**4 / 4,
            "Total fee is over 25%"
        );
}
```

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);
}

function _setOwner(address newOwner) private {
        address oldOwner = _owner;
        _owner = newOwner;
        emit OwnershipTransferred(oldOwner, 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:	5%
Sell fees:	5%
Max TX:	N/A
Max Sell:	N/A

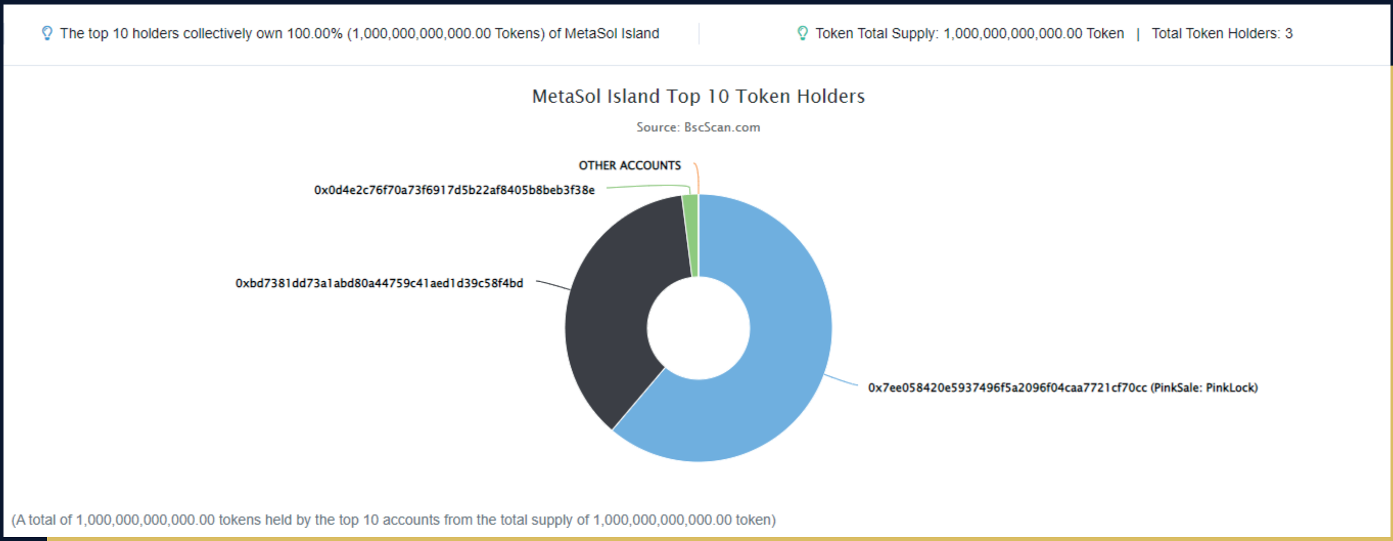
Honeypot Risk

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

Rug Pull Risk

Liquidity:	61,2% Locked
Holders:	Clean

METASOL ISLAND TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS



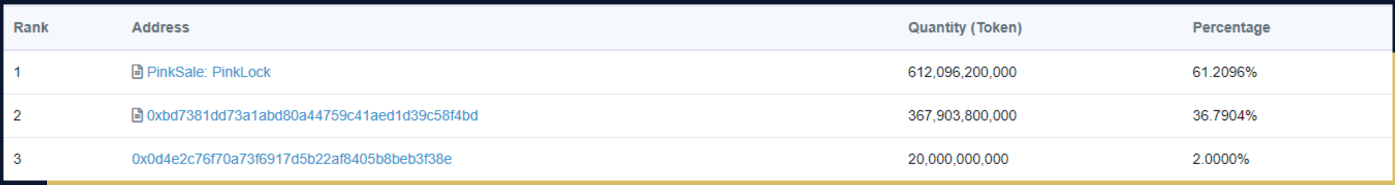
The top 10 holders collectively own 100.00% (1,000,000,000,000.00 Tokens) of MetaSol Island

Token Total Supply: 1,000,000,000,000.00 Token | Total Token Holders: 3

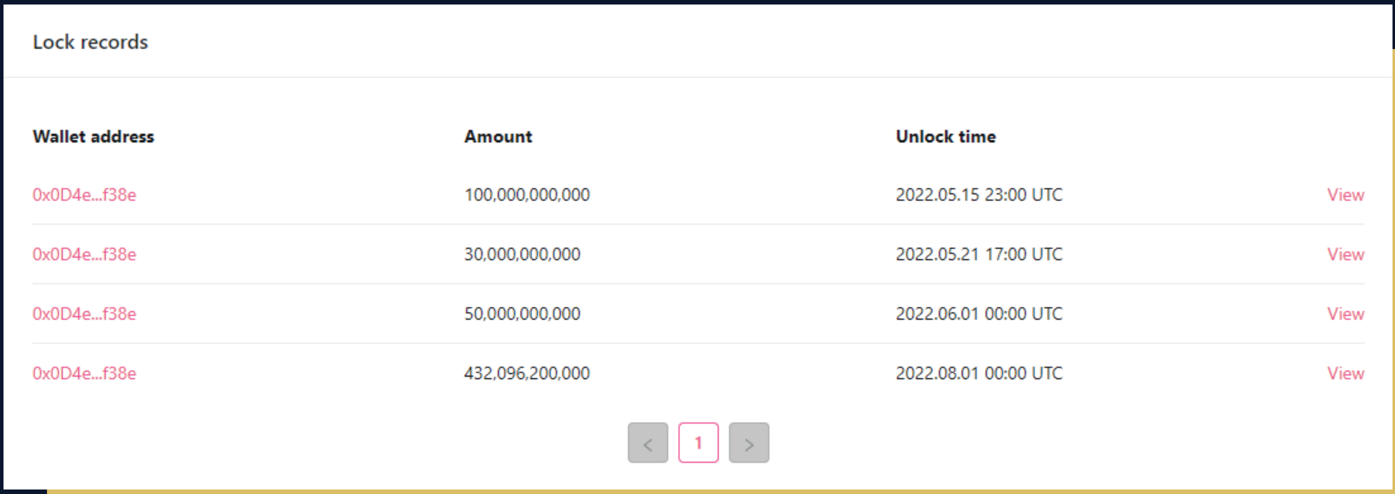
MetaSol Island Top 10 Token Holders

Source: BscScan.com

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



Rank	Address	Quantity (Token)	Percentage
1	PinkSale: PinkLock	612,096,200,000	61.2096%
2	0xbd7381dd73a1abd80a44759c41aed1d39c58f4bd	367,903,800,000	36.7904%
3	0x0d4e2c76f70a73f6917d5b22af8405b8beb3f38e	20,000,000,000	2.0000%



Lock records

Wallet address	Amount	Unlock time	
0x0D4e...f38e	100,000,000,000	2022.05.15 23:00 UTC	View
0x0D4e...f38e	30,000,000,000	2022.05.21 17:00 UTC	View
0x0D4e...f38e	50,000,000,000	2022.06.01 00:00 UTC	View
0x0D4e...f38e	432,096,200,000	2022.08.01 00:00 UTC	View

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.