



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Muulnu
\$MINU

03/05/2022

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

0xEA5E9F39F4B4Bc2684e49A0E43127F7f6F6be3b8

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 03/05/2022



AUDIT OVERVIEW



Security Score



Static Scan
Automatic scanning for common vulnerabilities



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 setIsFeeExempt(address holder, bool exempt) external authorized {
    isFeeExempt[holder] = exempt;
}
```

Contract owner can exclude/include wallet from tx limitations

```
function setIsTxLimitExempt(address holder, bool exempt) external authorized {
    isTxLimitExempt[holder] = exempt;
}
```

Contract owner can change max wallet limitations without threshold

```
function setMaxWallet(uint256 amount) external onlyOwner() {
    // require(amount >= _totalSupply / 1000);
    _maxWalletSize = amount;
}
```

Contract owner can change max tx amount limitations without threshold

```
function setTxLimit(uint256 amount) external authorized {
    // require(amount >= _totalSupply / 1000);
    _maxTxAmount = amount;
}
```

Contract owner can change swap settings

```
function setSwapBackSettings(bool _enabled, uint256 _amount) external authorized {
    swapEnabled = _enabled;
    swapThreshold = _amount;
}
```

Contract owner can withdraw foreign tokens from smart contract

```
function transferForeignToken(address _token) public authorized {
    require(_token != address(this), "Can't let you take all native token");
    uint256 _contractBalance = IBEP20(_token).balanceOf(address(this));
    payable(marketingFeeReceiver).transfer(_contractBalance);
}
```

Contract owner can change fees up to 100%

```
function setFees(uint256 _liquidityFee, uint256 _teamFee, uint256 _marketingFee, uint256 _feeDenominator)
external authorized {
    liquidityFee = _liquidityFee;
    teamFee = _teamFee;
    marketingFee = _marketingFee;
    totalFee = _liquidityFee.add(_teamFee).add(_marketingFee);
    feeDenominator = _feeDenominator;
}
```

Contract owner can change **marketingFeeReceiver** and **teamFeeReceiver** addresses

Default values:

marketingFeeReceiver : 0x859bF1F1Dc384b72c4040f4c1457507640a9e6eE

teamFeeReceiver : 0xDD4d47a9729a6876E6E59f9Cc3C4Ed27F86371DD

```
function setFeeReceiver(address _marketingFeeReceiver, address _teamFeeReceiver) external authorized {
    marketingFeeReceiver = _marketingFeeReceiver;
    teamFeeReceiver = _teamFeeReceiver;
}
```

Contract owner can transfer ownership

```
function transferOwnership(address payable adr) public onlyOwner {
    owner = adr;
    authorizations[adr] = true;
    emit OwnershipTransferred(adr);
}
```



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:	4%
Sell fees:	4%
Max TX:	30,000,000,000
Max Sell:	N/A

Honeypot Risk

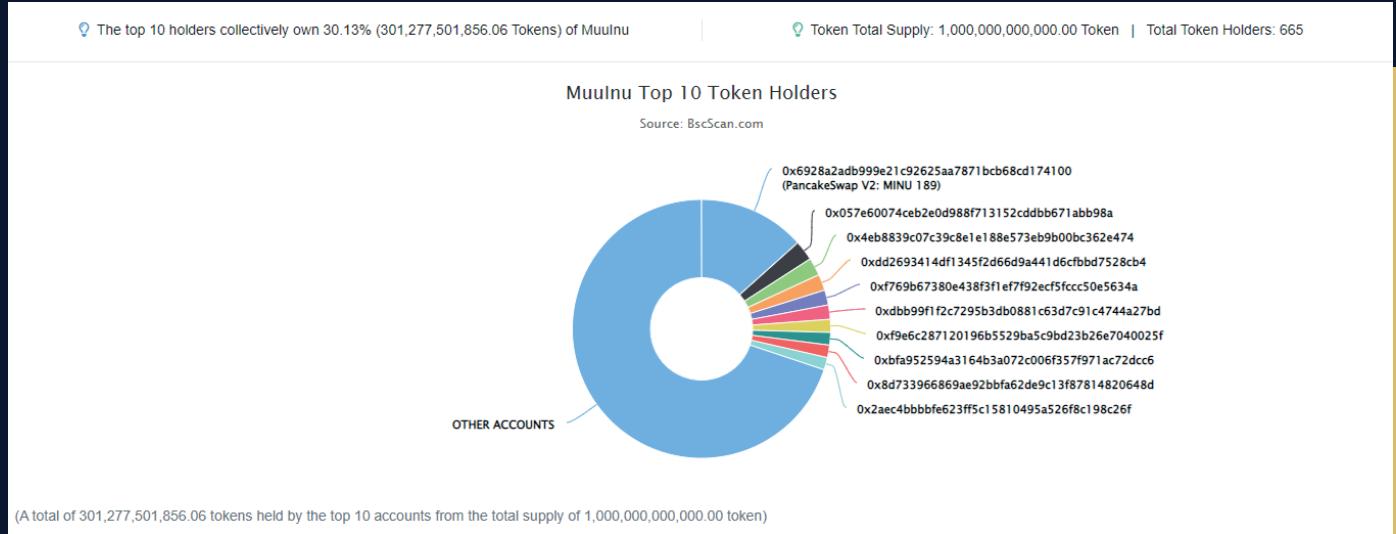
Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

Rug Pull Risk

Liquidity:	N/A
Holders:	Clean



MUUINU TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS



Rank	Address	Quantity (Token)	Percentage
1	PancakeSwap V2: MINU 189	133,946,153,563.67367668	13.3946%
2	0x057e60074ceb2e0d988f713152cddb671abb98a	25,244,248,363.805517926	2.5244%
3	0x4eb8839c07c39c8e1e188e573eb9b00bc362e474	22,177,127,999.602052978	2.2177%
4	0xdd2693414df1345f2d66d9a441d6cfbbd7528cb4	20,300,203,680.213812593	2.0300%
5	0xf769b67380e438f3f1ef7f92ecf5fcc50e5634a	18,734,981,638.109068106	1.8735%
6	0xdbb99f1f2c7295b3db0881c63d7c91c4744a27bd	17,778,717,523.06248285	1.7779%
7	0xf9e6c287120196b5529ba5c9bd23b26e7040025f	16,327,958,830.71989015	1.6328%
8	0xbfa952594a3164b3a072c006f357f971ac72dcc6	15,703,043,515.935448428	1.5703%
9	0xd733966869ae92bbfa62de9c13f87814820648d	15,557,975,540.942065598	1.5558%
10	0xaec4bbbbfe623ff5c15810495a526f8c198c26f	15,507,091,200	1.5507%

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.

