



# **RugFreeCoins Audit**



# **Amano Financial Token**

## **Smart Contract Security Audit**

**April 25, 2022**



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# Audit details



**Audited project**  
Amano Financial Token



**Contract Address**  
0x7B230b3825f9bee3279Dc1815D1ebc256B131B3E



**Client contact**  
Amano Financial Team



**Blockchain**  
Binance smart chain



**Project website**  
<https://amano.financial/>

# Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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# Background

Rugfreecoins was commissioned by the Amano Financial Team to perform an audit of the smart contract.

<https://www.bscscan.com/address/0x7B230b3825f9bee3279Dc1815D1ebc256B131B3E>

The focus of this audit is to verify that the smart contract is secure, resilient, and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, long-term sustainability, and as a guide to improving the security posture of the smart contract by remediating the issues that were identified.

# About the project

Amano Financial is a token built on the Binance Smart Chain that is with an innovative investment use case the main purpose of which is to seek out constant revenue sources, **autostaking protocol backed by Defi 3.0 yield farming** on BSC. Amano Token will bring an unparalleled, fixed APY of **306,720.043%**, while imposing profound ease, simplicity, and accessibility upon all Amano holders. Each transaction, purchase incurs 14% fee, and sale incurs a 20% fee.

## Features

- **3%** of the buy and **6%** of the sell fee is directed to the Amano Buyback Assurance which helps sustain and back the Staking Rewards provided by the Positive Rebase.
- The **sustainability fee of 3% when buying and 5% when selling for treasury, which is allocated for marketing** is what allows Amano Token to hold the aforementioned promise. Tokens will be swapped into BNB and will be sent to a marketing wallet. This way, Amano Token will have enough funds to promote the coin and spend for future development without selling tokens as the traditional way.
- The additional component included under the sustainability section is a **liquidity fee of 6% when buying and selling**, which is a redistribution mechanism that ensures the trading pool always has sufficient liquidity.
- **2%** when buying and **3%** when selling of all Amano Token tokens traded are sent for manual burn. The more that is traded, the more get put into the burn causing the burn wallet to grow in size, larger and larger through self-fulfilling auto-compounding which in return acts to reduce the circulating supply of Amano Token and keeping the Amano Token Protocol stable.

# ROADMAP

## DEVELOPMENT PHASE 1

- Website
- Social Platforms
- KYC & Audit by ContractWolf | Gamma
- KYC & Audit by Coinsult
- Audit by RugFreeCoins
- Highest KYC by PinkSale
- PinkSale Fair Launch
- Application Launch
- Amano Dex

## PHASE 2

- Solidity Finance Audit
- Certik Audit
- Amano Launchpad
- 1st Marketing Round

## MARKETING

- All Social Media Influencers
- BscNews + BscDaily
- Amano Hero NFT & Airdrop
- BSCScan Ads & DeXTools Ads
- Coinzilla Ads & Poocoin Ads

## LISTINGS

- CoinmarketCap & CoinGecko.com
- Amano Bank
- Token Tracker, dApp Trackers & Fork Trackers
- Dappradar & Dapp.com
- Amano Play-to-Earn Crypto Games
- Others

# Tokenomics

## **14% fee when buying**

- 3% of trade goes to Amano Buyback Assurance fund in BUSD
- 3% of trade goes to the treasury in BUSD
- 2% trade goes for the burn
- 6% of trade goes to the liquidity pool.

## **20% fee when selling**

- 6% of trade goes to Amano Buyback Assurance Fund in BUSD
- 5% of trade goes to the treasury in BNB
- 3% trade goes for the burn
- 6% of trade goes to the liquidity pool.



# Target market and the concept

## Target market

- Anyone who's interested in the Crypto space with long-term investment plans.
- Anyone who's ready to earn a passive income by holding tokens.
- Anyone who's interested in trading tokens.
- Anyone who's ready in receiving automatic staking and compound rewards every 15 minutes.
- Anyone who's interested in receiving fixed interest of **0.022916%** per 15 minutes and 306,720.043% per year.
- Anyone who's interested in taking part with the future plans of the Amano token.
- Anyone who's interested in making financial transactions with any other party using Amano Token as the currency.

## Core concept

### Reward mechanism

5% of all trading fees are stored in the Amano Token fund which helps sustain and back the staking rewards provided by the positive rebase.

Amano Token fund which is a separate wallet in the ecosystem. The Amano Token fund uses an algorithm that backs the Rebase Rewards and is supported by a portion of the buy and sell trading fees that accrue in the wallet.

In simple terms, the staking rewards (rebase rewards) which are distributed every 15 minutes at a rate of **0.022916%** are backed by the Amano Token parameter, thus ensuring a high and stable interest rate to Amano Token holders.

### Sustainable mechanism

The **sustainability fee of 3% when buying and 6% selling for treasury that allocated for marketing** is what allows Amano to promote the token and use funds to further the development of the platform. Tokens will be swapped into BNB and will be sent to a marketing wallet. This way, Amano token will have access to the funds without selling tokens as the traditional way, which will enable them to consume funds without hurting the project.

**The liquidity fee of 6% when buying and selling**, which is a redistribution mechanism that ensures the trading pool always has sufficient liquidity.

2% of Amano token tokens from buying and selling traded are burnt. The more that is traded, the more get put into the fire causing the burn wallet to grow in size, larger and larger through self-fulfilling Auto-Compounding, reducing the circulating supply and keeping the Amano token stable.

# Potential to grow with score points

|              |                          |                 |
|--------------|--------------------------|-----------------|
| 1.           | Project efficiency       | 10/10           |
| 2.           | Project uniqueness       | 9/10            |
| 3            | Information quality      | 8/10            |
| 4            | Service quality          | 9/10            |
| 5            | System quality           | 9/10            |
| 6            | Impact on the community  | 9/10            |
| 7            | Impact on the business   | 9/10            |
| 8            | Preparing for the future | 8/10            |
| Total Points |                          | <b>8.875/10</b> |

# Contract details

## Token contract details for 25<sup>th</sup> April 2022

|                                       |  |
|---------------------------------------|--|
| Contract name                         | Amano Financial  |
| Contract address                      | 0x7B230b3825f9bee3279Dc1815D1ebc256B131B3E                     |
| Token supply                          | 5,000,000,000  |
| Token ticker                          | AMANO  |
| Decimals                              | 18   |
| Token holders                         | 2  |
| Transaction count                     | 2  |
| Auto liquidity receiver               | <a href="#">0x00dead</a> |
| Firepit                               |  |
| Amano Buyback Assurance Fund Receiver | <a href="#">0x00dead</a> |
| Treasury Receiver                     | <a href="#">0x00dead</a> |
| Contract deployer address             | 0xE296869532f6A38E372444cbcbf7a745179d6378                     |
| Contract's current owner address      | <a href="#">0xe296869532f6a38e372444cbcbf7a745179d6378</a>     |

# Contract code function details





















| No | Category                              | Item   | Result |
|----|---------------------------------------|--|--------|
| 1  | Coding conventions                    | BRC20 Token standards                            | pass   |
|    |                                       | compile errors                                   | pass   |
|    |                                       | Compiler version security                        | pass   |
|    |                                       | visibility specifiers                            | pass   |
|    |                                       | Gas consumption                                  | pass   |
|    |                                       | SafeMath features                                | pass   |
|    |                                       | Fallback usage                                   | pass   |
|    |                                       | tx.origin usage                                  | pass   |
|    |                                       | deprecated items                                 | pass   |
|    |                                       | Redundant code                                   | pass   |
|    |                                       | Overriding variables                             | pass   |
| 2  | Function call audit                   | Authorization of function call                   | pass   |
|    |                                       | Low level function (call/delegate call) security | pass   |
|    |                                       | Returned value security                          | pass   |
|    |                                       | Self-destruct function security                  | pass   |
| 3  | Business security                     | Access control of owners                         | pass   |
|    |                                       | Business logics                                  | pass   |
|    |                                       | Business implementations                         | pass   |
| 4  | Integer overflow/underflow            |  | pass   |
| 5  | Reentrancy                            |  | pass   |
| 6  | Exceptional reachable state           |  | pass   |
| 7  | Transaction ordering dependence       |  | pass   |
| 8  | Block properties dependence           |  | pass   |
| 9  | Pseudo random number generator (PRNG) |  | pass   |
| 10 | DoS (Denial of Service)               |  | pass   |
| 11 | Token vesting implementation          |  | pass   |
| 12 | Fake deposit                          |  | pass   |




































|    |                |  |      |
|----|----------------|--|------|
| 13 | Event security |  | pass |
|----|----------------|--|------|



















# Contract description table

The below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions, and implementations with their visibility and mutability.

















| Contract           | Type             | Bases  |   |  |
|--------------------|------------------|--|---|--|
| L                  | Function Name    | Visibility   | Mutability  | Modifiers  |
|                    |                  |  |   |  |
| <b>SafeMathInt</b> | <b>Library</b>   |  |   |  |
| L                  | mul              | Internal    |   |  |
| L                  | div              | Internal    |   |  |
| L                  | sub              | Internal    |   |  |
| L                  | add              | Internal  |   |  |
| L                  | abs              | Internal  |   |  |
|                    |                  |  |   |  |
| <b>IERC20</b>      | <b>Interface</b> |  |   |  |
| L                  | totalSupply      | External  |   | NO  |
| L                  | balanceOf        | External  |   | NO  |
| L                  | allowance        | External  |   | NO  |
| L                  | transfer         | External  |  | NO  |
| L                  | approve          | External  |  | NO  |
| L                  | transferFrom     | External  |  | NO  |
|                    |                  |  |   |  |
| <b>SafeMath</b>    | <b>Library</b>   |  |   |  |



|                       |                       |  |   |  |
|-----------------------|-----------------------|--|---|--|
| L                     | add                   | Internal    |   |  |
| L                     | sub                   | Internal    |   |  |
| L                     | sub                   | Internal    |   |  |
| L                     | mul                   | Internal    |   |  |
| L                     | div                   | Internal    |   |  |
| L                     | div                   | Internal    |   |  |
| L                     | mod                   | Internal    |   |  |
|                       |                       |  |   |  |
| <b>InterfaceLP</b>    | <b>Interface</b>      |  |   |  |
| L                     | sync                  | External    |    | NO    |
|                       |                       |  |   |  |
| <b>Roles</b>          | <b>Library</b>        |  |   |  |
| L                     | add                   | Internal  |  |  |
| L                     | remove                | Internal  |  |  |
| L                     | has                   | Internal  |   |  |
|                       |                       |  |   |  |
| <b>ERC20 Detailed</b> | <b>Implementation</b> | <b>IERC20</b>  |   |  |
| L                     |                       | Public    |  | NO  |
| L                     | name                  | Public    |   | NO  |
| L                     | symbol                | Public    |   | NO  |
| L                     | decimals              | Public    |   | NO  |
|                       |                       |  |   |  |

| IDEXRouter      | Interface   |  |   |                |
|-----------------|---|--|---|----------------|
| L               | factory   | External !   |   | NO !           |
| L               | WETH  | External !   |   | NO !           |
| L               | addLiquidity  | External !   |    | NO !           |
| L               | addLiquidityETH                                       | External !   |    | NO !           |
| L               | swapExactTokensForTokensSupportingFeeOnTransferTokens | External !   |    | NO !           |
| L               | swapExactETHForTokensSupportingFeeOnTransferTokens    | External !   |    | NO !           |
| L               | swapExactTokensForETHSupportingFeeOnTransferTokens    | External !   |    | NO !           |
|                 |   |  |   |                |
| IDEX Factory    | Interface   |  |   |                |
| L               | createPair  | External !   |  | NO !           |
|                 |   |  |   |                |
| Ownable         | Implementation  |  |   |                |
| L               |   | Public !   |  | NO !           |
| L               | owner   | Public !   |   | NO !           |
| L               | renounceOwnership                                     | Public !   |  | onlyOwner      |
| L               | transferOwnership                                     | Public !   |  | onlyOwner      |
| L               | _transferOwnership                                    | Internal  |  |                |
|                 |   |  |   |                |
| Amano Financial | Implementation  | ERC20 Detailed, Ownable  |   |                |
| L               |   | Public !   |  | ERC20 Detailed |



|   |                      |  |   |                |
|---|----------------------|--|---|----------------|
| L |                      | External !   |    | NO !           |
| L | totalSupply          | External !   |   | NO !           |
| L | allowance            | External !   |   | NO !           |
| L | balanceOf            | Public !   |   | NO !           |
| L | checkFeeExempt       | External !   |   | NO !           |
| L | checkSwapThreshold   | External !   |   | NO !           |
| L | shouldRebase         | Internal    |   |                |
| L | shouldTakeFee        | Internal    |   |                |
| L | shouldSwapBack       | Public !   |   | NO !           |
| L | getCirculatingSupply | Public !   |   | NO !           |
| L | getLiquidityBacking  | Public !   |   | NO !           |
| L | isOverLiquified      | Public !   |   | NO !           |
| L | manualSync           | Public !   |  | NO !           |
| L | transfer             | External !   |  | validRecipient |
| L | _basicTransfer       | Internal  |  |                |
| L | _transferFrom        | Internal  |  |                |
| L | transferFrom         | External !   |  | validRecipient |
| L | _swapAndLiquify      | Private   |  |                |
| L | _addLiquidity        | Private   |  |                |
| L | _addLiquidityBusd    | Private   |  |                |
| L | _swapTokensForBNB    | Private   |  |                |



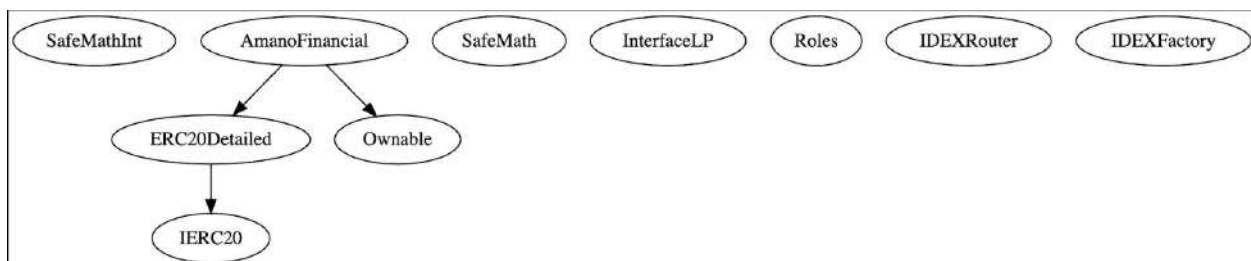
|   |                                |            |   |           |
|---|--------------------------------|------------|---|-----------|
| L | _swapTokensForBusd             | Private 🦊  |    |           |
| L | swapBack                       | Internal 🔒 |    | swapping  |
| L | takeFee                        | Internal 🔒 |    |           |
| L | decreaseAllowance              | External ! |    | NO!       |
| L | increaseAllowance              | External ! |    | NO!       |
| L | approve                        | External ! |    | NO!       |
| L | _rebase                        | Private 🦊  |    |           |
| L | coreRebase                     | Private 🦊  |    |           |
| L | manualRebase                   | External ! |    | onlyOwner |
| L | setAutomatedMarketMakerPair    | Public !   |    | onlyOwner |
| L | setInitialDistributionFinished | External ! |  | onlyOwner |
| L | setFeeExempt                   | External ! |  | onlyOwner |
| L | setFees                        | External ! |  | onlyOwner |
| L | setRebaseFrequency             | External ! |  | onlyOwner |
| L | setSwapBackSettings            | External ! |  | onlyOwner |
| L | setFeeReceivers                | External ! |  | onlyOwner |
| L | clearStuckBalance              | External ! |  | onlyOwner |
| L | rescueToken                    | External ! |  | onlyOwner |
| L | setAutoRebase                  | External ! |  | onlyOwner |
| L | setRewardYield                 | External ! |  | onlyOwner |
| L | setFeesOnNormalTransfers       | External ! |  | onlyOwner |

|   |                       |            |   |           |
|---|-----------------------|------------|---|-----------|
| L | setNextRebase         | External ! |  | onlyOwner |
| L | setMaxSellTransaction | External ! |  | onlyOwner |

## Legend

| Symbol  | Meaning                   |
|---|---------------------------|
|  | Function can modify state |
|  | Function is payable       |

## Inheritance Hierarchy



# Security issue checking status

## ❖ High severity issues

No High severity issues found

## ❖ Medium severity issues

No medium severity issues found

## ❖ Low severity issues

No low severity issues found

## ❖ Centralization Risk

### High Centralization Risk

- ❖ The owner can enable/disable trading anytime

```
ftrace | funcSig
function setInitialDistributionFinished(bool _value↑) external onlyOwner {
    require(initialDistributionFinished != _value↑, "Not changed");
    initialDistributionFinished = _value↑;
}
```

- ❖ The owner can set max sell transaction to very low value

```
ftrace | funcSig
function setMaxSellTransaction(uint256 _maxTxn↑) external onlyOwner {
    require(_maxTxn↑ != 0, "cannot be 0");
    maxSellTransactionAmount = _maxTxn↑;
}
```

★ Informed and fixed

❖ Fee limit set only for buy Fees, the owner can change sell fees more than 100%

```
ftrace | funcSig
function setFees(
    uint256 _liquidityFee↑,
    uint256 _amanoAssuranceValue↑,
    uint256 _treasuryFee↑,
    uint256 _sellFeeTreasuryAdded↑,
    uint256 _sellFeeABAAdded↑,
    uint256 _feeDenominator↑
) external onlyOwner {
    require(
        _liquidityFee↑ <= MAX_FEE_RATE &&
        _amanoAssuranceValue↑ <= MAX_FEE_RATE &&
        _treasuryFee↑ <= MAX_FEE_RATE &&
        _sellFeeTreasuryAdded↑ <= MAX_FEE_RATE &&
        _sellFeeABAAdded↑ <= MAX_FEE_RATE,
        "wrong"
    );

    liquidityFee = _liquidityFee↑;
    buyFeeABA = _amanoAssuranceValue↑;
    treasuryFee = _treasuryFee↑;
    sellFeeTreasuryAdded = _sellFeeTreasuryAdded↑;
    sellFeeABAAdded = _sellFeeABAAdded↑;
    totalBuyFee = liquidityFee.add(treasuryFee).add(buyFeeABA).add(
        burnFeeBuy
    );
    totalSellFee = totalBuyFee
        .add(sellFeeTreasuryAdded)
        .add(sellFeeABAAdded)
        .add(burnFeeSell);
    feeDenominator = _feeDenominator↑;
    require(totalBuyFee <= feeDenominator / 4);
}
```

# Owner privileges

- ❖ The owner can manually rebase the contract

```
ftrace | funcSig
function manualRebase() external onlyOwner {
    require(!inSwap, "Try again");
    require(nextRebase <= block.timestamp, "Not in time");

    uint256 circulatingSupply = getCirculatingSupply();
    int256 supplyDelta = int256(
        circulatingSupply.mul(rewardYield).div(rewardYieldDenominator)
    );

    coreRebase(supplyDelta);
    manualSync();
}
```

- ❖ The owner can add/remove pair address

```
ftrace | funcSig
function setAutomatedMarketMakerPair(address _pair↑, bool _value↑)
    public
    onlyOwner
{
    require(
        automatedMarketMakerPairs[_pair↑] != _value↑,
        "Value already set"
    );

    automatedMarketMakerPairs[_pair↑] = _value↑;

    if (_value↑) {
        markerPairs.push(_pair↑);
    } else {
        require(markerPairs.length > 1, "Required 1 pair");
        for (uint256 i = 0; i < markerPairs.length; i++) {
            if (markerPairs[i] == _pair↑) {
                markerPairs[i] = markerPairs[markerPairs.length - 1];
                markerPairs.pop();
                break;
            }
        }
    }

    emit SetAutomatedMarketMakerPair(_pair↑, _value↑);
}
```



- ❖ The owner can enable/disable trading anytime

```
ftrace | funcSig
function setInitialDistributionFinished(bool _value↑) external onlyOwner {
    require(initialDistributionFinished != _value↑, "Not changed");
    initialDistributionFinished = _value↑;
}
```

- ❖ The owner can include/exclude wallets from fees

```
ftrace | funcSig
function setFeeExempt(address _addr↑, bool _value↑) external onlyOwner {
    require(isFeeExempt[_addr↑] != _value↑, "Not changed");
    isFeeExempt[_addr↑] = _value↑;
}
```

- ❖ The owner can change all fees, each fees maximum up 20%, total buy fees maximum up to 25% and total sell fees maximum up to 45%

```
ftrace | funcSig
function setFees(
    uint256 _liquidityFee↑,
    uint256 _amanoAssuranceValue↑,
    uint256 _treasuryFee↑,
    uint256 _sellFeeTreasuryAdded↑,
    uint256 _sellFeeABAAdded↑
) external onlyOwner {
    require(
        _liquidityFee↑ <= MAX_FEE_RATE &&
        _amanoAssuranceValue↑ <= MAX_FEE_RATE &&
        _treasuryFee↑ <= MAX_FEE_RATE &&
        _sellFeeTreasuryAdded↑ <= MAX_FEE_RATE &&
        _sellFeeABAAdded↑ <= MAX_FEE_RATE,
        "wrong"
    );

    liquidityFee = _liquidityFee↑;
    buyFeeABA = _amanoAssuranceValue↑;
    treasuryFee = _treasuryFee↑;
    sellFeeTreasuryAdded = _sellFeeTreasuryAdded↑;
    sellFeeABAAdded = _sellFeeABAAdded↑;
    totalBuyFee = liquidityFee.add(treasuryFee).add(buyFeeABA).add(
        burnFeeBuy
    );
    totalSellFee = totalBuyFee
        .add(sellFeeTreasuryAdded)
        .add(sellFeeABAAdded)
        .add(burnFeeSell);
    require(totalBuyFee <= feeDenominator / 4);
    require(totalSellFee <= 45);
}
```

- ❖ The owner can change rebase frequency

```
ftrace | funcSig
function setRebaseFrequency(uint256 _rebaseFrequency↑) external onlyOwner {
    require(_rebaseFrequency↑ <= MAX_REBASE_FREQUENCY, "Too high");
    rebaseFrequency = _rebaseFrequency↑;
}
```

- ❖ The owner can enable/disable swap back and can change swap point

```
ftrace | funcSig
function setSwapBackSettings(
    bool _enabled↑,
    uint256 _num↑,
    uint256 _denom↑
) external onlyOwner {
    swapEnabled = _enabled↑;
    gonSwapThreshold = TOTAL_GONS.div(_denom↑).mul(_num↑);
}
```

- ❖ The owner can change all fee receivers' address

```
ftrace | funcSig
function setFeeReceivers(
    address _liquidityReceiver↑,
    address _treasuryReceiver↑,
    address _amanoBuybackAssuranceFundReciver↑
) external onlyOwner {
    liquidityReceiver = _liquidityReceiver↑;
    treasuryReceiver = _treasuryReceiver↑;
    amanoBuybackAssuranceFundReciver = _amanoBuybackAssuranceFundReciver↑;
}
```

- ❖ The owner can get BNB and other bep20 tokens in the contract to owner wallet

```
ftrace | funcSig
function clearStuckBalance(address _receiver↑) external onlyOwner {
    uint256 balance = address(this).balance;
    payable(_receiver↑).transfer(balance);
}

ftrace | funcSig
function rescueToken(address tokenAddress↑, uint256 tokens↑)
    external
    onlyOwner
    returns (bool success↑)
{
    return ERC20Detailed(tokenAddress↑).transfer(msg.sender, tokens↑);
}
```

- ❖ The owner can change reward yield rate

```
ftrace | funcSig
function setRewardYield(
    uint256 _rewardYield↑,
    uint256 _rewardYieldDenominator↑
) external onlyOwner {
    rewardYield = _rewardYield↑;
    rewardYieldDenominator = _rewardYieldDenominator↑;
}

ftrace | funcSig
```

- ❖ The owner can enable/disable fees on wallet-to-wallet transactions

```
ftrace | funcSig
function setFeesOnNormalTransfers(bool _enabled↑) external onlyOwner {
    require(feesOnNormalTransfers != _enabled↑, "Not changed");
    feesOnNormalTransfers = _enabled↑;
}
```

- ❖ The owner can manually change next auto rebase time

```
ftrace | funcSig
function setNextRebase(uint256 _nextRebase↑) external onlyOwner {
    nextRebase = _nextRebase↑;
}
```

- ❖ The owner can change max sell amount to any amount greater than 0

```
ftrace | funcSig
function setMaxSellTransaction(uint256 _maxTxn↑) external onlyOwner {
    require(_maxTxn↑ != 0, "cannot be 0");
    maxSellTransactionAmount = _maxTxn↑;
}
```

# Audit conclusion

RugFreeCoins team has performed in-depth testings, line by line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

Smart contract functional Status: **PASSED**

Number of risk issues: **2**

Solidity code functional issue level: **PASSED**

Number of owner privileges: **13**

Centralization risk correlated to the active owner: **HIGH**

Smart contract active ownership: **YES**