

# **< SolCheck >**

## **Smart Contract Security Audit**

# Audit Details

Project:

Money Hype

Deployer Address:

0x30ff23faE9Ae2fa63e975A927452FBFa7eE4aef8

Contract Address:

0x10DD5674a828b25209724E0BA15a5ba2d0A8b602

Blockchain:

Binance Smart Chain (BSC)

Project website:

<https://moneyhypetoken.com/>

# 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 below disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

# Background

SolCheck performed a free smart contract audit of contract:

<https://bscscan.com/address/0x10DD5674a828b25209724E0BA15a5ba2d0A8b602>

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended;
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

# Contract Details

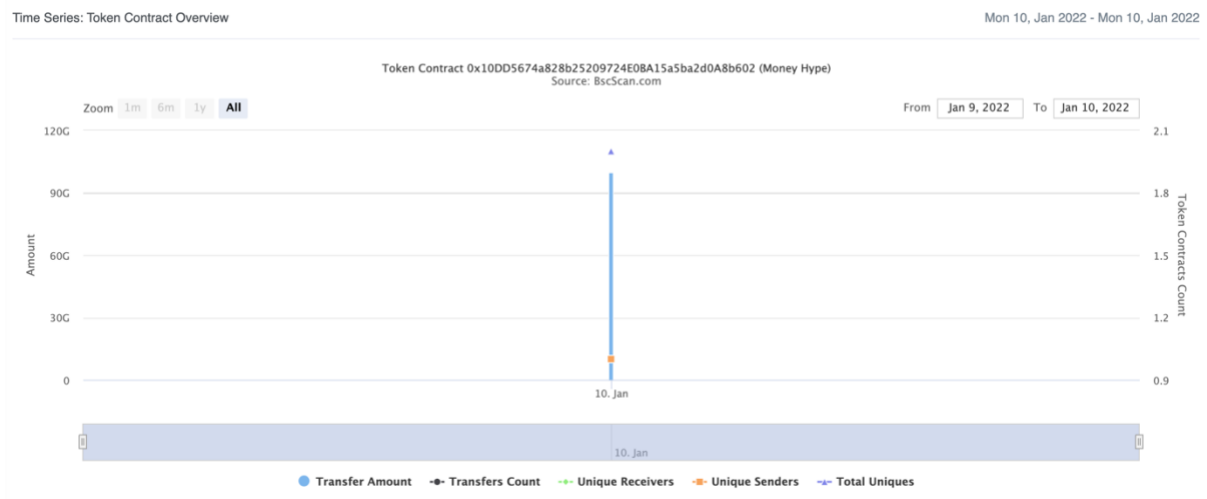
Contract details for 23.01.2022

Contract Name	AntiBotLiquidityGeneratorToken
Contract Address	0x10DD5674a828b25209724E0BA15a5ba2d0A8b602
Total Supply	100,000,000,000
Token Symbol	MHYPE
Decimals	9
Token holders	3
Transactions count	6
Top 100 holders dominance	100%
Contract Deployer address	0x30ff23faE9Ae2fa63e975A927452FBFa7eE4aef8
Contract's current owner address	0x30ff23faE9Ae2fa63e975A927452FBFa7eE4aef8

# MHYPE Token Distribution



# Contract Interaction Details



# MHYPE Top 100 Holders

Address	Quantity	Percentage
<a href="#">0x88a8fe3ebd55e614ab3c39e8ffa344fde44b08b8</a>	69,443,000,000	69.4430%
<a href="#">Null Address: 0x000...dEaD</a>	30,000,000,000	30.0000%
<a href="#">0x30ff23fae9ae2fa63e975a927452fba7ee4aef8</a>	557,000,000	0.5570%

# Contract Functions Details

## + [Int] IERC20

- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer
- [Ext] allowance
- [Ext] approve
- [Ext] transferFrom

## + Context

- [Int] <Constructor>
- [Int] \_msgSender
- [Int] \_msgData

## + Ownable (Context)

- [Int] <Constructor>
  - modifier: onlyOwner
- [Pub] owner
- [Pub] renounceOwnership #
- [Pub] transferOwnership #
- [Prv] \_setOwner

## + [Lib] SafeMath

- [Int] tryAdd
- [Int] trySub
- [Int] tryMul
- [Int] tryDiv
- [Int] tryMod
- [Int] add
- [Int] sub
- [Int] mul
- [Int] div
- [Int] mod
- [Int] sub
- [Int] div
- [Int] mod

## + [Lib] Address

- [Int] isContract
- [Int] sendValue
- [Int] functionCall
- [Int] functionCallWithValue
- [Int] functionCallWithValue
- [Int] functionStaticCall
- [Int] functionStaticCall
- [Int] functionDelegateCall
- [Int] functionDelegateCall
- [Int] verifyCallResult

## + [Int] IUniswapV2Router01

- [Ext] factory
- [Ext] WETH
- [Ext] addLiquidity
- [Ext] addLiquidityETH \$
- [Ext] removeLiquidity
- [Ext] removeLiquidityETH

- [Ext] removeLiquidityWithPermit
- [Ext] removeLiquidityETHWithPermit
- [Ext] swapExactTokensForTokens
- [Ext] swapTokensForExactTokens
- [Ext] swapExactETHForTokens \$
- [Ext] swapTokensForExactETH
- [Ext] swapExactTokensForETH
- [Ext] swapETHForExactTokens \$
- [Ext] quote
- [Ext] getAmountOut
- [Ext] getAmountIn
- [Ext] getAmountsOut
- [Ext] getAmountsIn
- + [Int] **IUniswapV2Router02 (IUniswapV2Router01)**
  - [Ext] removeLiquidityETHSupportingFeeOnTransferTokens
  - [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens
  - [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens
  - [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens \$
  - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens
- + [Int] **IUniswapV2Factory**
  - [Ext] feeTo
  - [Ext] feeToSetter
  - [Ext] getPair
  - [Ext] allPairs
  - [Ext] allPairsLength
  - [Ext] createPair
  - [Ext] setFeeTo
  - [Ext] setFeeToSetter
- + [Int] **IPinkAntiBot**
  - [Ext] setTokenOwner
  - [Ext] onPreTransferCheck
- + **BaseToken**
- + **AntiBotLiquidityGeneratorToken**
  - [Int] <Constructor>
    - modifier: lockTheSwap
    - modifier: onlyOwner
  - [Ext] setEnableAntiBot #
  - [Pub] name
  - [Pub] symbol
  - [Pub] decimals
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] transfer
  - [Pub] allowance
  - [Pub] approve
  - [Pub] transferFrom
  - [Pub] increaseAllowance
  - [Pub] decreaseAllowance
  - [Pub] isExcludedFromReward
  - [Pub] totalFees
  - [Pub] deliver
  - [Pub] reflectionFromToken
  - [Pub] tokenFromReflection



- [Pub] excludeFromReward #
- [Ext] includeInReward #
- [Prv] \_transferBothExcluded
- [Pub] excludeFromFee #
- [Pub] includeInFee #
- [Ext] setTaxFeePercent #
- [Ext] setLiquidityFeePercent #
- [Pub] setSwapAndLiquifyEnabled #
- [Ext] receive \$
- [Prv] \_reflectFee
- [Prv] \_getValues
- [Prv] \_getTValues
- [Prv] \_getRValues
- [Prv] \_getRate
- [Prv] \_getCurrentSupply
- [Prv] \_takeLiquidity
- [Prv] \_takeCharityFee
- [Prv] calculateTaxFee
- [Prv] calculateLiquidityFee
- [Prv] calculateCharityFee
- [Prv] removeAllFee
- [Prv] restoreAllFee
- [Pub] isExcludedFromFee
- [Prv] \_approve
- [Prv] \_transfer
- [Prv] swapAndLiquify
  - modifier: lockTheSwap
- [Prv] swapTokensForEth
- [Prv] addLiquidity
- [Prv] \_tokenTransfer
- [Prv] \_transferStandard
- [Prv] \_transferToExcluded
- [Prv] \_transferFromExcluded

\* \$ - payable function

\*\* # - modifier: onlyOwner

# Issues Checking Status

Issue Description	Status
1. Compiler Errors.	Passed
2. Race conditions and Reentrancy. Cross-function race conditions	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage	Passed
21. Fallback function security	Passed

# Security Checks

## ✓ High Severity Issues

No high severity issues found

## ✓ Medium Severity Issues

No medium severity issues found

## ⚠ Low Severity Issues

- Safemath is not fully implemented in AntiBotLiquidityGeneratorToken

# Owner Abilities

- △ Enable / Disable AntiBot
- △ Exclude from Reward
- △ Include in Reward
- △ Exclude from Fee
- △ Include in Fee
- △ Change Tax Fee Percent (up to 100%)
- △ Change Liquidity Fee Percent (up to 100%)
- △ Change Swap And Liquify Enabled

# Conclusion

Although this ERC20-compatible token smart contract does not have any severe security issues, owner can change fee percent (up to 100%). Fee is taken during both swap transactions and normal wallet-to-wallet transfers. At the time of writing, fee was at 90%.

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## **SolCheck note:**

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.