



Cyberscope

Audit Report

HODLer Token

March 2024

Network BSC

Address 0x13A631AFf6a83abbeD502470634c3a510208f35f

Audited by © cyberscope

Analysis

● Critical ● Medium ● Minor / Informative ● Pass

| Severity | Code | Description | Status |
|----------|------|-------------------------|--------|
| ● | ST | Stops Transactions | Passed |
| ● | OTUT | Transfers User's Tokens | Passed |
| ● | ELFM | Exceeds Fees Limit | Passed |
| ● | MT | Mints Tokens | Passed |
| ● | BT | Burns Tokens | Passed |
| ● | BC | Blacklists Addresses | Passed |

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Review

| | |
|-------------------|---|
| Contract Name | LiquidityGeneratorToken |
| Compiler Version | v0.8.16+commit.07a7930e |
| Optimization | 200 runs |
| Explorer | https://bscscan.com/address/0x13a631aff6a83abbed502470634c3a510208f35f |
| Address | 0x13a631aff6a83abbed502470634c3a510208f35f |
| Network | BSC |
| Symbol | HODLR |
| Decimals | 18 |
| Total Supply | 1,000,000,000 |
| Badge Eligibility | Yes |




Audit Updates

| | |
|---------------|-------------|
| Initial Audit | 24 Mar 2024 |
|---------------|-------------|

Source Files

| | |
|-----------------------------|--|
| Filename | SHA256 |
| LiquidityGeneratorToken.sol | 47ca8ddd5642ddc0f455bb9aaf3e03c2f30f27ff388af5b7e5fd6e49746dcd99 |

Findings Breakdown

| Severity | | Unresolved | Acknowledged | Resolved | Other |
|---|---------------------|------------|--------------|----------|-------|
|  | Critical | 0 | 0 | 0 | 0 |
|  | Medium | 0 | 0 | 0 | 0 |
|  | Minor / Informative | 0 | 0 | 0 | 0 |

Functions Analysis

| Contract | Type | Bases | | |
|----------------|-------------------|------------|------------|-----------|
| | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| IERC20 | Interface | | | |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| Context | Implementation | | | |
| | _msgSender | Internal | | |
| | | | | |
| Ownable | Implementation | Context | | |
| | | Public | ✓ | - |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | _setOwner | Private | ✓ | |
| | | | | |

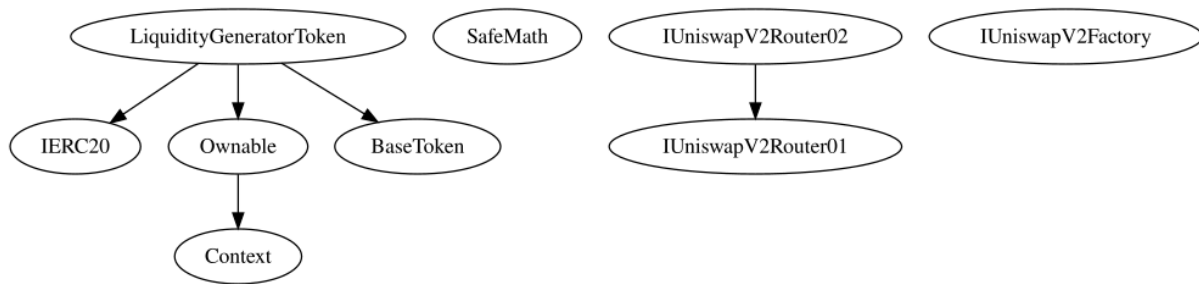
| | | | | |
|--------------------|---|--------------------|---------|---|
| SafeMath | Library | | | |
| | sub | Internal | | |
| | | | | |
| IUniswapV2Router01 | Interface | | | |
| | factory | External | | - |
| | WETH | External | | - |
| | WETC | External | | - |
| | WHT | External | | - |
| | WROSE | External | | - |
| | WAVAX | External | | - |
| | addLiquidity | External | ✓ | - |
| | addLiquidityETH | External | Payable | - |
| | addLiquidityAVAX | External | Payable | - |
| | addLiquidityETC | External | Payable | - |
| | addLiquidityROSE | External | Payable | - |
| | | | | |
| IUniswapV2Router02 | Interface | IUniswapV2Router01 | | |
| | swapExactTokensForETCSupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForAVAXSupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForROSESupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForETHSupportingFeeOnTransferTokens | External | ✓ | - |
| | | | | |

| | | | | |
|--------------------------------|----------------------|----------------------------------|---------|---|
| IUniswapV2Factory | Interface | | | |
| | createPair | External | ✓ | - |
| | | | | |
| BaseToken | Implementation | | | |
| | | | | |
| LiquidityGeneratorToken | Implementation | IERC20, Ownable, BaseToken | | |
| | | Public | Payable | - |
| | getNativeCurrency | Internal | | |
| | name | External | | - |
| | symbol | External | | - |
| | decimals | External | | - |
| | totalSupply | External | | - |
| | balanceOf | Public | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | increaseAllowance | External | ✓ | - |
| | decreaseAllowance | External | ✓ | - |
| | isExcludedFromReward | External | | - |
| | totalFees | External | | - |
| | deliver | External | ✓ | - |
| | reflectionFromToken | External | | - |

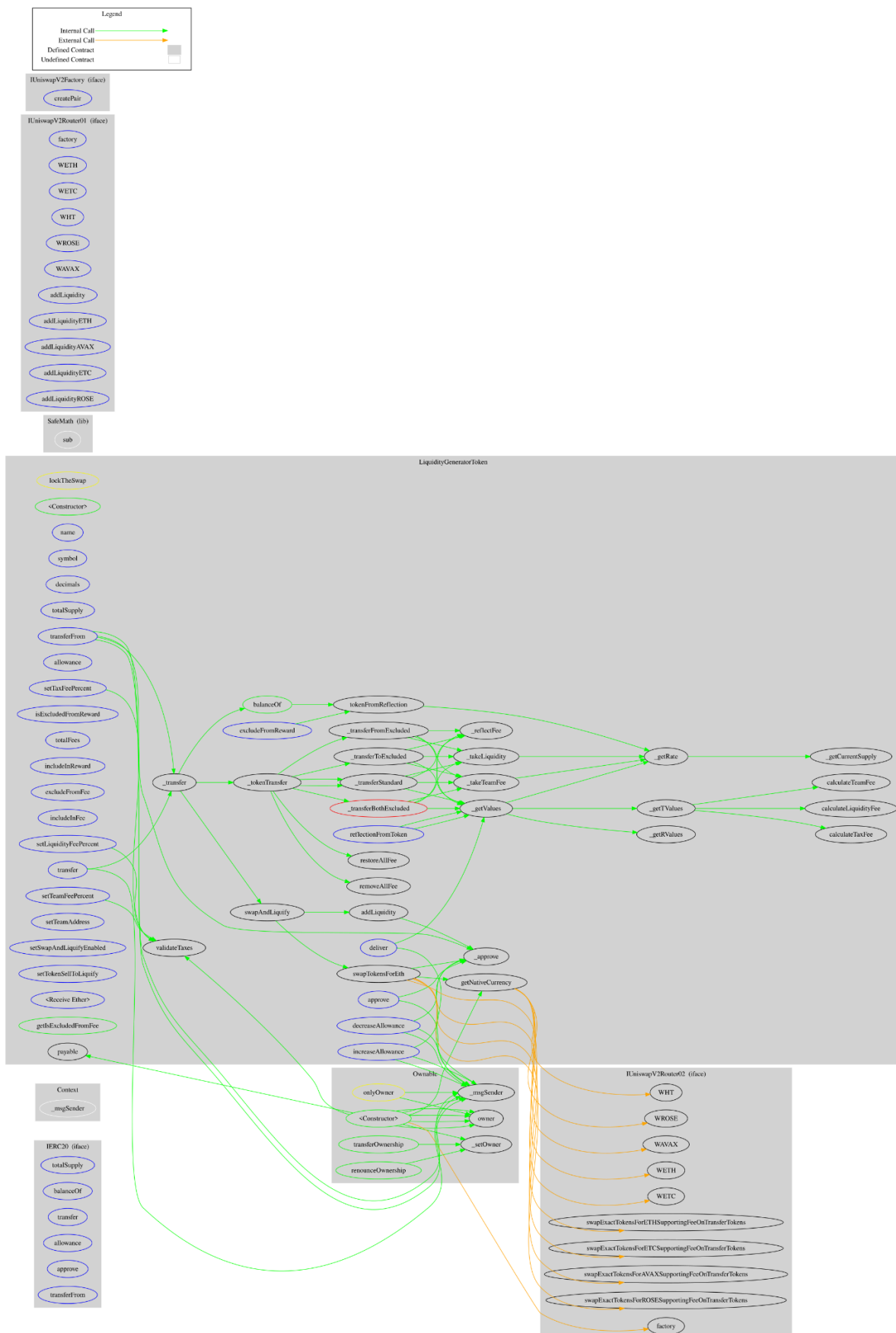
| | | | | |
|--|--------------------------|----------|---------|-----------|
| | tokenFromReflection | Public | | - |
| | excludeFromReward | External | ✓ | onlyOwner |
| | includeInReward | External | ✓ | onlyOwner |
| | _transferBothExcluded | Private | ✓ | |
| | excludeFromFee | External | ✓ | onlyOwner |
| | includeInFee | External | ✓ | onlyOwner |
| | setTaxFeePercent | External | ✓ | onlyOwner |
| | setLiquidityFeePercent | External | ✓ | onlyOwner |
| | setTeamFeePercent | External | ✓ | onlyOwner |
| | setTeamAddress | External | ✓ | onlyOwner |
| | validateTaxes | Internal | | |
| | setSwapAndLiquifyEnabled | External | ✓ | onlyOwner |
| | setTokenSellToLiquify | External | ✓ | onlyOwner |
| | | External | Payable | - |
| | _getValues | Private | | |
| | _getTValues | Private | | |
| | _getRValues | Private | | |
| | _getRate | Private | | |
| | _getCurrentSupply | Private | | |
| | _takeLiquidity | Private | ✓ | |
| | _takeTeamFee | Private | ✓ | |
| | _reflectFee | Private | ✓ | |
| | calculateTaxFee | Private | | |

| | | | | |
|--|-----------------------|---------|---|-------------|
| | calculateLiquidityFee | Private | | |
| | calculateTeamFee | Private | | |
| | removeAllFee | Private | ✓ | |
| | restoreAllFee | Private | ✓ | |
| | getIsExcludedFromFee | Public | | - |
| | _approve | Private | ✓ | |
| | _transfer | Private | ✓ | |
| | swapAndLiquify | Private | ✓ | lockTheSwap |
| | swapTokensForEth | Private | ✓ | |
| | addLiquidity | Private | ✓ | |
| | _tokenTransfer | Private | ✓ | |
| | _transferStandard | Private | ✓ | |
| | _transferToExcluded | Private | ✓ | |
| | _transferFromExcluded | Private | ✓ | |

Inheritance Graph



Flow Graph



Summary

HODLer Token contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. HODLer Token is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions. There is also a limit of max 20% fees.

The contract's ownership has been renounced. The information regarding the transaction can be accessed through the following link:

<https://bscscan.com/tx/0x4325cb42f2358008a81ac93d2cfec7393e8f4729154012e4763369a2aa753fb3>

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About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



The Cyberscope team

<https://www.cyberscope.io>