

TechRate
April, 2022



SMART CONTRACTS SECURITY AUDIT REPORT



Techrate_audits



Techrate



Techrate1

Audit Details



Audited project

TOP 100 CRYPTO INDEX by glenty.com



Deployer address

0x2684e163adf073b65dd7802a6726bce46b69c093



Client contacts:

TOP 100 CRYPTO INDEX by glenty.com team



Blockchain

Binance Smart Chain



Project website:

Not provided

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

TechRate was commissioned by TOP 100 CRYPTO INDEX by glenty.com to perform an audit of smart contracts:

<https://bscscan.com/address/0xa8a4df11e38c6ef79f65f22fa0a8ae0cc267637b#code>

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.

Contracts Details

Token contract details for 08.04.2022

Contract name TOP 100 CRYPTO INDEX by glenty.com

Contract address 0xa8a4Df11e38C6EF79F65f22FA0A8AE0CC267637B

Total supply 2,500,000

Token ticker TOP100

Decimals 9

Token holders 8

Transactions count 10

Top 100 holders dominance 100.00%

Total shares 1157920892373161954235709850000000000000000

Monetary policy 0x00

Contract deployer address 0x2684e163adf073b65dd7802a6726bce46b69c093

Owner address 0x2684e163adf073b65dd7802a6726bce46b69c093

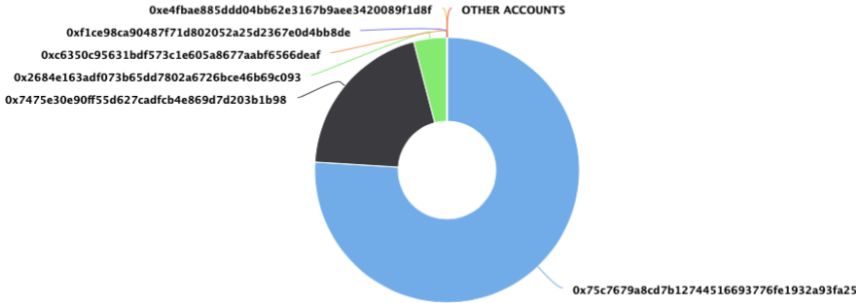
TOP 100 CRYPTO INDEX by glenty.com Token Distribution

The top 100 holders collectively own 100.00% (2,500,000.00 Tokens) of TOP 100 CRYPTO INDEX by glenty.com

Token Total Supply: 2,500,000.00 Token | Total Token Holders: 8

TOP 100 CRYPTO INDEX by glenty.com Top 100 Token Holders

Source: BscScan.com



(A total of 2,500,000.00 tokens held by the top 100 accounts from the total supply of 2,500,000.00 token)

TOP 100 CRYPTO INDEX by glenty.com Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x75c7679a8cd7b12744516693776fe1932a93fa25	1,898,897.9999999999	75.9559%
2	0x7475e30e90ff55d627cadfcb4e869d7d203b1b98	500,000	20.0000%
3	0x2684e163adf073b65dd7802a6726bce46b69c093	100,000	4.0000%
4	0xc6350c95631bdf573c1e605a8677aabf6566deaf	1,000	0.0400%
5	0xf1ce98ca90487f71d802052a25d2367e0d4bb8de	99.999999999	0.0040%
6	PancakeSwap V2: GLENTY-TOP100	1	0.0000%
7	0xe4fbae885ddd04bb62e3167b9aee3420089f1d8f	1	0.0000%
8	0x342ac74d40ab68617f3afb73bdccac94c14bfb0	0.000000002	0.0000%

Contract functions details

+ Context

- [Int] _msgSender
- [Int] _msgData

+ Ownable (Context)

- [Int] <Constructor> #
- [Pub] owner
- [Pub] renounceOwnership #
 - modifiers: onlyOwner
- [Pub] transferOwnership #
 - modifiers: onlyOwner

+ [Int] IERC20

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

+ [Lib] SafeMath

- [Int] add
- [Int] sub
- [Int] sub
- [Int] mul
- [Int] div
- [Int] div
- [Int] mod
- [Int] mod

+ ERC20 (Context, IERC20)

- [Pub] <Constructor> #
- [Pub] name
- [Pub] symbol
- [Pub] decimals
- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #

- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Int] _transfer #
- [Int] _mint #
- [Int] _burn #
- [Int] _approve #
- [Int] _setupDecimals #
- [Int] _beforeTokenTransfer #

+ [Lib] SafeMathInt

- [Int] mul
- [Int] div
- [Int] sub
- [Int] add
- [Int] abs

+ ERC677

- [Pub] transfer #
- [Pub] transferAndCall #

+ ERC677Receiver

- [Pub] onTokenTransfer #

+ ERC677Token (ERC677)

- [Pub] transferAndCall #
- [Prv] contractFallback #
- [Prv] isContract

+ GLENTYToken (ERC20, ERC677Token, Ownable)

- [Pub] <Constructor> #
- [Ext] setTransfersPaused #
 - modifiers: onlyOwner
- [Ext] setTransferPauseExempt #
 - modifiers: onlyOwner
- [Pub] setRebasesPaused #
 - modifiers: onlyOwner
- [Ext] setMonetaryPolicy #
 - modifiers: onlyOwner
- [Ext] rebase #
- [Pub] totalShares
- [Ext] sharesOf
- [Ext] setUserBanStatus #
 - modifiers: onlyOwner
- [Pub] totalSupply
- [Pub] balanceOf

- [Pub] transfer #
 - modifiers: validRecipient
- [Pub] allowance
- [Pub] transferFrom #
 - modifiers: validRecipient
- [Pub] approve #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #

(\$) = payable function

= non-constant function

Issues Checking Status

Issue description	Checking 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 Issues

✓ High Severity Issues

No high severity issues found.

✓ Medium Severity Issues

No medium severity issues found.

✓ Low Severity Issues

No low severity issues found.

Owner privileges (In the period when the owner is not renounced)

- Owner can change transfersPaused.
- Owner can exclude from transfer pause.
- Owner can change rebasesPaused.
- Owner can change monetaryPolicy address.
- Owner can change users' banned status.
- monetaryPolicy address can rebase.

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details are NOT provided by the team.

TechRate 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.