TechRate
April, 2022

SMART CONTRACTS SECURITY AUDIT REPORT

Audit Details

Audited project

CITY GOLD

Deployer address

0x733c9ee764779554d1280f982eb65f1f10e88d1d

Client contacts:

CITY GOLD team

Blockchain

Binance Smart Chain

Project website:

http://walk2valley.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

TechRate was commissioned by CITY GOLD to perform an audit of smart contracts:
https://bscscan.com/address/0x7572e6b8debfe25b9a179027c8457b053980fa28#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

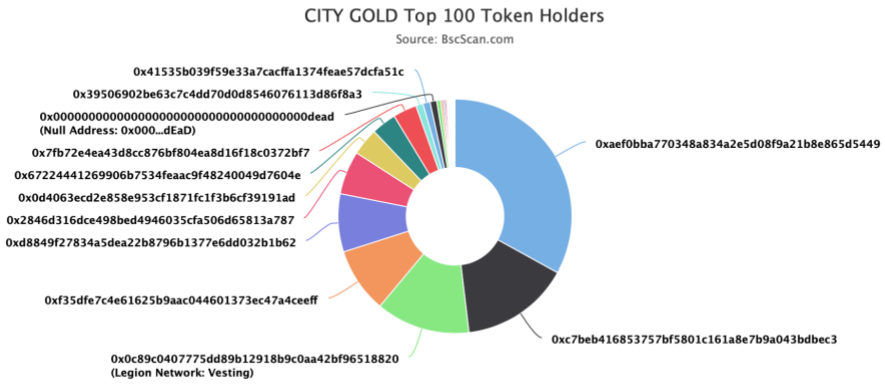
Token contract details for 18.04.2022

Contract name	CITY GOLD
Contract address	0x7572E6b8DEBFe25b9a179027C8457B053980FA28
Total supply	333,000,000,000
Token ticker	CGOLD
Decimals	18
Token holders	10,647
Transactions count	17,292
Top 100 holders dominance	99.93%
Dev address	0x733c9ee764779554d1280f982eb65f1f10e88d1d
cap	100000000000000000000000000000000
Contract deployer address	0x733c9ee764779554d1280f982eb65f1f10e88d1d
Owner address	0x733c9ee764779554d1280f982eb65f1f10e88d1d

CITY GOLD Token Distribution

The top 100 holders collectively own 99.93% (332,782,109,112.43 Tokens) of CITY GOLD

Token Total Supply: 333,000,000,000.00 Token | Total Token Holders: 10,647

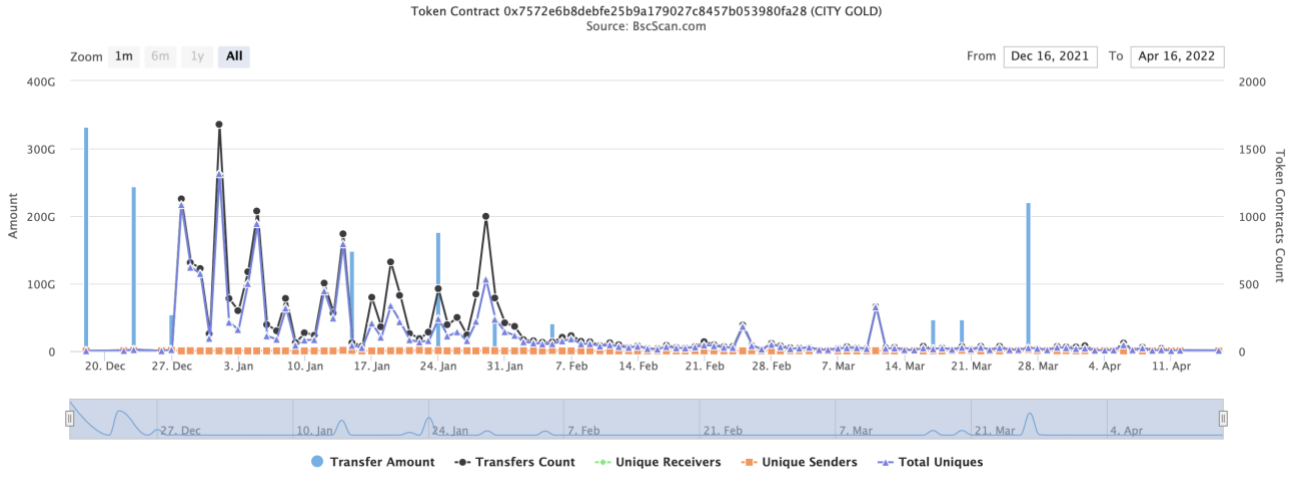


(A total of 332,782,109,112.43 tokens held by the top 100 accounts from the total supply of 333,000,000,000.00 token)

CITY GOLD Contract Interaction Details

Time Series: Token Contract Overview

Sat 18, Dec 2021 - Sat 16, Apr 2022



CITY GOLD Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0xaef0bba770348a834a2e5d08f9a21b8e865d5449	109,890,000,000	33.0000%
2	0xc7beb416853757bf5801c161a8e7b9a043bdbec3	50,250,381,113	15.0902%
3	Legion Network: Vesting	43,290,000,000	13.0000%
4	0xf35dfe7c4e61625b9aac044601373ec47a4ceeff	29,970,000,000	9.0000%
5	0xd8849f27834a5dea22b8796b1377e6dd032b1b62	26,639,000,000	7.9997%
6	0x2846d316dce498bed4946035cfa506d65813a787	19,980,000,000	6.0000%
7	0x0d4063ecd2e858e953cf1871fc1f3b6cf39191ad	12,570,000,000	3.7748%
8	0x67224441269906b7534feaac9f48240049d7604e	11,443,666,709	3.4365%
9	0x7fb72e4ea43d8cc876bf804ea8d16f18c0372bf7	10,913,432,496.804163183872454447	3.2773%
10	0x39506902be63c7c4dd70d0d8546076113d86f8a3	3,330,000,000	1.0000%

Contract functions details

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Int] functionStaticCall
  - [Int] functionStaticCall
  - [Int] functionDelegateCall #
  - [Int] functionDelegateCall #
  - [Prv] _verifyCallResult

+ BEP20Extended (Context, IBEP20, Ownable)
  - [Pub] <Constructor> #
  - [Pub] dev #
  - [Ext] getOwner
  - [Pub] name
  - [Pub] decimals
  - [Pub] symbol
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] transferBurnRate
  - [Pub] enableFee
  - [Pub] cap
  - [Pub] transfer #
  - [Pub] allowance
  - [Pub] approve #
  - [Pub] transferFrom #
  - [Pub] increaseAllowance #
  - [Pub] decreaseAllowance #
  - [Pub] mint #
    - modifiers: onlyOwner
  - [Pub] setSellContract #
    - modifiers: onlyOwner
  - [Pub] burn #
  - [Pub] setFee #
  - [Pub] setTransferBurnRate #
  - [Pub] addTransferBurnAddress #
  - [Pub] removeTransferBurnAddress #
  - [Int] _transfer #

```
  - [Int] _mint #
  - [Int] _burn #
  - [Int] _approve #
  - [Int] _burnFrom #

+  Context
  - [Int] <Constructor> #
  - [Int] _msgSender
  - [Int] _msgData

+ [Int] IBEP20
  - [Ext] totalSupply
  - [Ext] decimals
  - [Ext] symbol
  - [Ext] name
  - [Ext] getOwner
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transferFrom #

+ [Int] ISellToken
  - [Ext] receivedAmount

+  Ownable (Context)
  - [Int] <Constructor> #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Int] _transferOwnership #

+ [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] div
  - [Int] mod
  - [Int] mod
  - [Int] min
  - [Int] sqrt
```

+ CGOLDToken (BEP20Extended)
  - [Pub] <Constructor> #
    - modifiers: BEP20Extended
  - [Pub] mintTo #
    - modifiers: onlyOwner
  - [Ext] permit #
  - [Ext] delegates
  - [Ext] delegate #
  - [Ext] delegateBySig #
  - [Ext] getCurrentVotes
  - [Ext] getPriorVotes
  - [Int] _delegate #
  - [Int] _moveDelegates #
  - [Int] _writeCheckpoint #
  - [Int] safe32
  - [Int] getChainId

($) = 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.

Notes:

- Smart contract contain interfaces that is not audited due to out of scope, some functions may work different ways.

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

- Owner can mint tokens according to cap value.
- Owner can change SELL_CONTRACT address.
- Owner can change _enableFee state.
- Owner can change _transferBurnRate.
- Owner can add/remove _transferBurnAddresses.

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.