



Smart Contract Security Audit Report

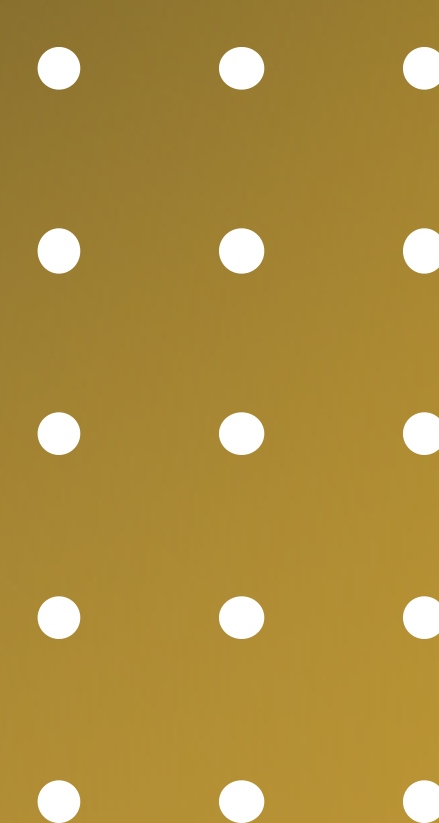
Cashera

April 2022

Security Status



www.hacksafe.io



Audit Details



Audited project

Cashera



Deployer address

0xBaA0C3523877C68d26B88930AEe3FC1C44801344



Client contacts

Cashera team



Blockchain

Binance smart chain



Website

Not provided by team.

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

HeckSafe was commissioned by Cashera to perform an audit of smart contracts:

- <https://bscscan.com/address/0x6e8Ff72962750F0Fa57A906F7833d1C657614abE#code>

Contract Details

Token contract details for 29.04.2022

Contract name	: StandardToken
Contract address	: 0x6e8Ff72962750F0Fa57A906F7833d1C657614abE
Total supply	: 100,000,000
Token Ticker	: CSR
Decimals	: 18
Token Holders	: 2,494
Transactions count	: 2,494
Contract deployer address	: 0xBaA0C3523877C68d26B88930AEe3FC1C44801344

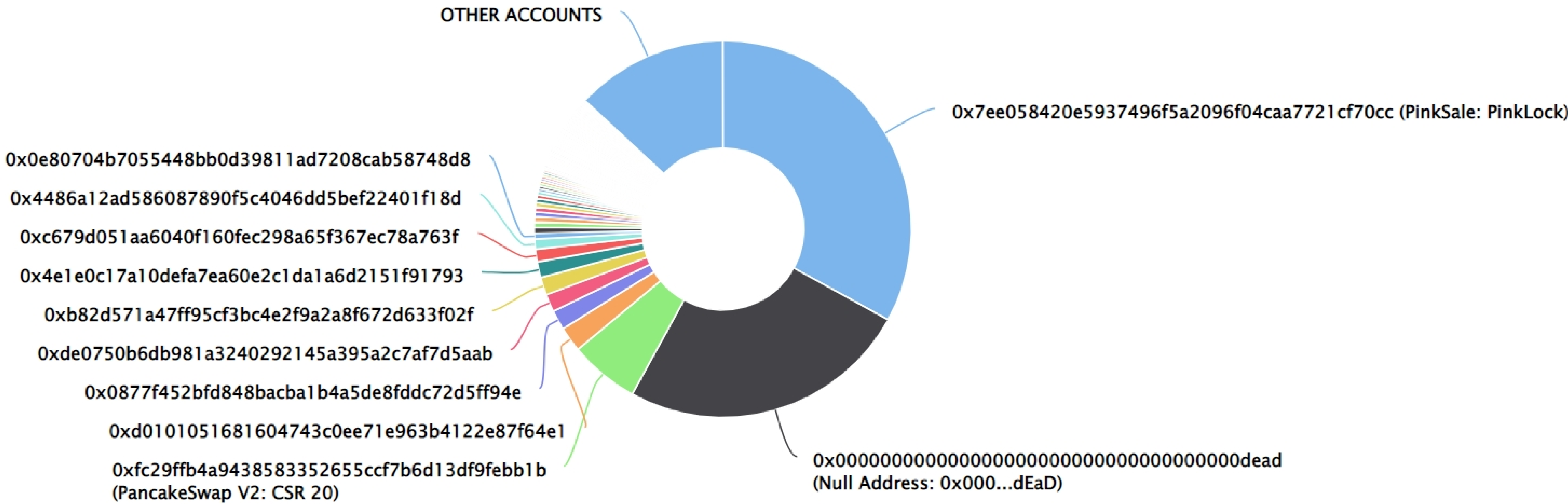
Cashera Token Distribution

💡 The top 100 holders collectively own 86.95% (86,945,505.14 Tokens) of Cashera



💡 Token Total Supply: 100,000,000.00 Token | Total Token Holders: 2,610

Cashera Top 100 Token Holders

Source: BscScan.com



Cashera Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	 PinkSale: PinkLock	33,000,000	33.0000%
2	Null Address: 0x000...dEaD	25,000,000	25.0000%
3	 PancakeSwap V2: CSR 20	4,837,040.492471504414994942	4.8370%
4	0x0877f452bfd848bacba1b4a5de8fddc72d5ff94e	1,885,098.772680256206577142	1.8851%
5	0xd0101051681604743c0ee71e963b4122e87f64e1	1,878,704.380896723020000045	1.8787%
6	0xb82d571a47ff95cf3bc4e2f9a2a8f672d633f02f	1,757,209.937848089290598673	1.7572%
7	0xde0750b6db981a3240292145a395a2c7af7d5aab	1,624,281.851927368191519902	1.6243%
8	0xc679d051aa6040f160fec298a65f367ec78a763f	1,431,565.431686834107479131	1.4316%
9	0x4e1e0c17a10defa7ea60e2c1da1a6d2151f91793	1,350,000	1.3500%
10	0x4486a12ad586087890f5c4046dd5bef22401f18d	1,284,736.096425789451693024	1.2847%

Contract functions details

+ [Int] IERC20

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

+Context

- [Int]_msgsender
- [Int] _msgdata

+Ownable (Context)

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

+ [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

Contract functions details

+ BaseToken

+ StandardToken (IERC20, Ownable, BaseToken)

- <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

(\$) = payable function

= non-constant function

Issues Checking Status

No.	Title	Status
1.	Unlocked Compiler Version	Low issue
2.	Missing Input Validation	Passed
3.	Race conditions and Reentrancy. Cross-function race conditions.	Passed
4.	Possible delays in data delivery	Passed
5.	Oracle calls.	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.	Private use data leaks.	Passed
13.	Malicious Event log.	Passed
14.	Scoping and Declarations.	Passed
15.	Uninitialized storage pointers.	Passed
16.	Arithmetic accuracy.	Passed
17.	Design Logic.	Low issue
18.	Safe Open Zeppelin contracts implementation and usage.	Passed
19.	Incorrect Naming State Variable	Passed

Severity Definitions

Risk Level	Description
Critical	Critical vulnerabilities are usually straightforward to exploit and can lead to assets loss or data manipulations.
High	High-level vulnerabilities are difficult to exploit; however, they also have a significant impact on smart contract execution, e.g., public access to crucial functions
Medium	Medium-level vulnerabilities are important to fix; however, they can't lead to assets loss or data manipulations.
Low	Low-level vulnerabilities are mostly related to outdated, unused, etc. code snippets that can't have a significant impact on execution.

Security Issues

✔ Critical Severity Issues

No critical severity issue found.

✔ High Severity Issues

No high severity issue found.

✔ Medium Severity Issues

No medium severity issues found.

✔ Low Severity Issues

Two low severity issue found.

1. Unlocked Compiler Version.

- **Description**

The contract utilizes an unlocked compiler version. An unlocked compiler version in the contract's source code permits the user to compile it at or above a particular version. This, in turn, leads to differences in the generated bytecode between compilations due to differing compiler version numbers. This can lead to ambiguity when debugging as compiler-specific bugs may occur in the codebase that would be difficult to identify over a span of multiple compiler versions rather than a specific one.

- **Recommendation**

It is advisable that the compiler version is alternatively locked at the lowest version possible so that the contract can be compiled. For example, for version $\geq 0.8.0$ the contract should contain the following line:

```
pragma solidity 0.8.4;
```

2. Design logic

- **Description:**

Constructor declare payable.

- **Recommendation:**

We advise to remove payable variable in constructor from StandardToken contract as it doesn't require payable constructor.

Conclusion

Smart contract contains low severity issues! The further transfer and operations with the fund raised are not related to this particular contract.

HackSafe 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.