

TechRate
April, 2023



SMART CONTRACTS SECURITY AUDIT REPORT



Techrate_audits



Techrate



Techrate1

Audit Details



Audited project

FAME



Deployer address

0xd1aa7e81d262bd50dc4fb116d81ff6329ac89239



Client contacts:

<https://twitter.com/FameInfinity>



Blockchain

Binance Smart Chain



Project website:

<https://fametoken.ai>

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 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 FAME to perform an audit of smart contracts:

<https://bscscan.com/address/0x82cD1bC0896D2c7377eD9Ae93932c0B55E0cF839#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 29.04.2023

Contract name FAME

Contract address 0x82cD1bC0896D2c7377eD9Ae93932c0B55E0cF839

Total supply 2,000,000

Token ticker ESM

Decimals 18

Token holders 12,111

Transactions count 17,718

Top 100 holders dominance 100.00%

Contract deployer address 0xd1aa7e81d262bd50dc4fb116d81ff6329ac89239

Owner address 0x00

mintingFinishedPermanent True

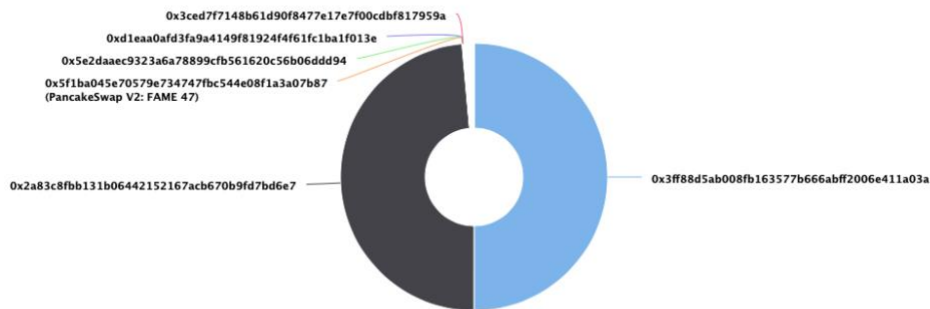
FAME Token Distribution

The top 100 holders collectively own 100.00% (1,999,997.95 Tokens) of FAME

Token Total Supply: 2,000,000.00 Token | Total Token Holders: 12,111

FAME Top 100 Token Holders

Source: BscScan.com



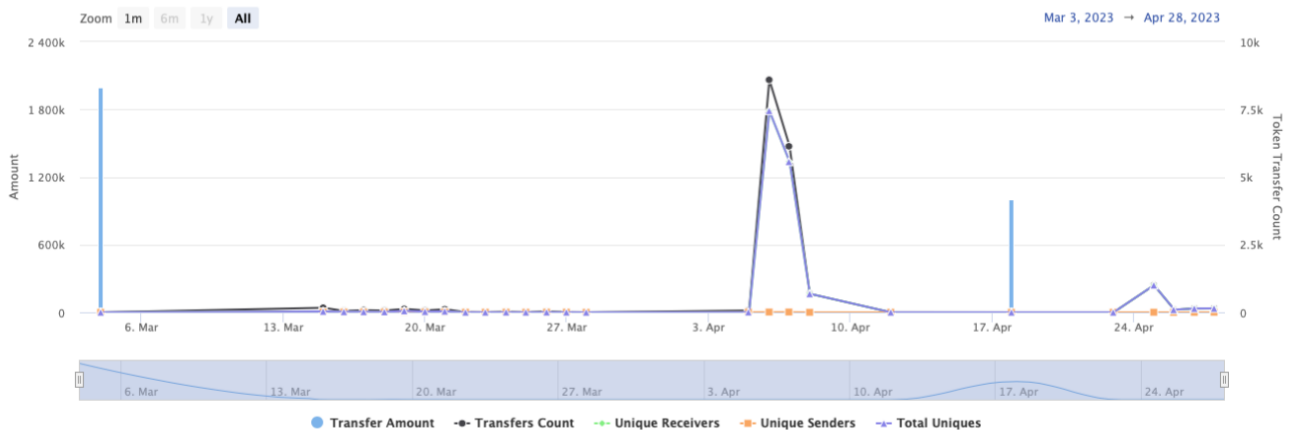
(A total of 1,999,997.95 tokens held by the top 100 accounts from the total supply of 2,000,000.00 token)

FAME Contract Interaction Details




Time Series: Token Contract Overview

Sat 4, Mar 2023 - Fri 28, Apr 2023

Token Contract 0x82cD1bC0896D2c7377eD9Ae93932c0855E0cF839 (FAME)
Source: BscScan.com



FAME Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	 0x3ff88d5ab008fb163577b666abff2006e411a03a	1,000,000	50.0000%
2	0x2a83c8fbb131b06442152167acb670b9fd7bd6e7	971,529.250000000002	48.5765%
3	 0x5e2daaec9323a6a78899cfb561620c56b06ddd94	1,108.249999999998	0.0554%
4	 PancakeSwap V2: FAME 47	566.686367442086217123	0.0283%
5	0xd1eaa0afd3fa9a4149f81924f4f61fc1ba1f013e	467.6441119	0.0234%
6	0x3ced7f7148b61d90f8477e17e7f00cdbf817959a	448.75374	0.0224%
7	0x776c7250d01001ec55e5dfee96a143300570ae31	417.338	0.0209%
8	0x3f19cd813104dad4ede74f409bd913bec652324a	412.111099336922411628	0.0206%
9	0x097eefc5ef61799eb378ed000da62440e6debfb9	411.1111	0.0206%
10	0x211b2a5ddd4c776a419579afa9f22c28bcd541b	407.19775	0.0204%

Contract functions details

+ [Int] IERC20

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

+ [Int] IERC20Metadata (IERC20)

- [Ext] name
- [Ext] symbol
- [Ext] decimals

+ Context

- [Int] _msgSender
- [Int] _msgData

+ [Lib] SafeMath

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

+ Ownable (Context)

- [Pub] <Constructor> #
- [Pub] owner
- [Pub] renounceOwnership #
 - modifiers: onlyOwner
- [Pub] transferOwnership #
 - modifiers: onlyOwner
- [Pub] geUnlockTime
- [Pub] lock #
 - modifiers: onlyOwner
- [Pub] unlock #

+ DxStandardToken (Context, IERC20, IERC20Metadata, Ownable)

- [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] _beforeTokenTransfer #

(\$) = 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 lock and unlock. By the way, using these functions the owner could leave as owner even after the ownership was renounced.

Testnet deployment

Contracts Description Table

Contract	Type	Bases	Mutability	Modifiers
L	Function Name	Visibility		
DxStandardToken	Implementation	Context, IERC20, IERC20Metadata, Ownable		
	L transfer	Public !		NO!
	L approve	Public !		NO!
	L transferFrom	Public !		NO!

Legend

Symbol	Meaning
	Function can modify state
	Function is payable

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 provided by the team:

<https://dxsale.app/dxlockview?id=0&add=0x82cD1bC0896D2c7377eD9Ae93932c0B55E0cF839&type=tokenlock&chain=BNB>

Security score: 90.

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.