



TechRate
AUDIT COMPANY

Smart Contract Security Audit

Audit Details



Audited project

FarmBit



Deployer address

0x1b6e32242913fb82337679c844c802c3a9d112a4



Client contacts:

FarmBit team



Blockchain

Binance Smart Chain



Project website:

<https://farmbit.io/>

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 FarmBit to perform an audit of smart contracts:

<https://bscscan.com/address/0x80473d3a473c9b63101dbb9359992b657a6b74fa#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 29.12.2021

Contract name	FarmBit
Contract address	0x80473d3a473C9b63101DBB9359992B657a6B74Fa
Total supply	200,000,000
Token ticker	FMB
Decimals	18
Token holders	478
Transactions count	1,094
Top 100 holders dominance	99.90%
Contract deployer address	0x1b6e32242913fb82337679c844c802c3a9d112a4
Contract's current owner address	0x1b6e32242913fb82337679c844c802c3a9d112a4

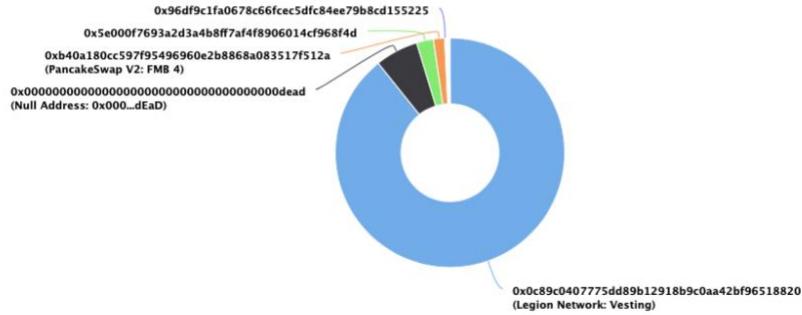
FarmBit Token Distribution

The top 100 holders collectively own 99.90% (199,807,235.88 Tokens) of FarmBit

Token Total Supply: 200,000,000.00 Token | Total Token Holders: 478

FarmBit Top 100 Token Holders

Source: BscScan.com



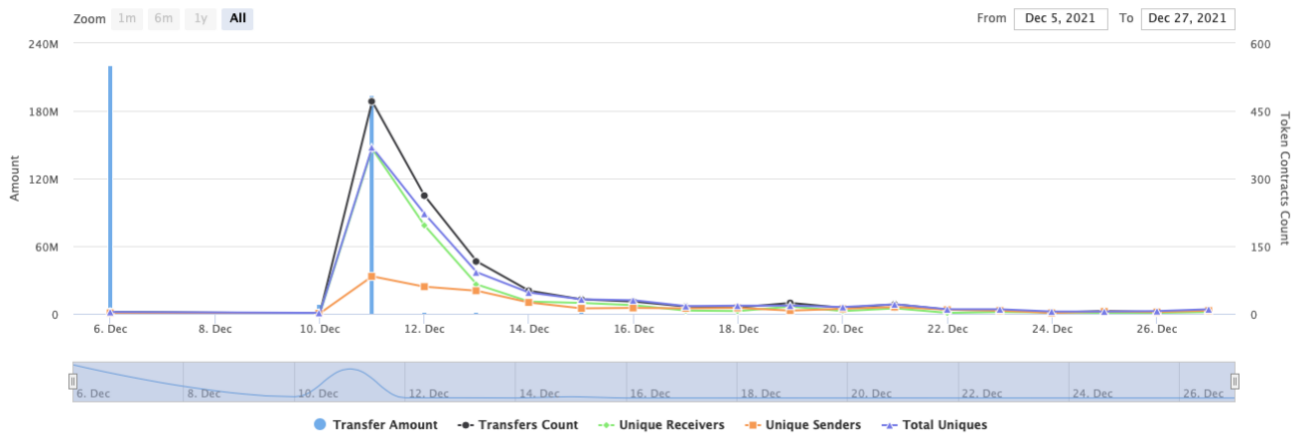
(A total of 199,807,235.88 tokens held by the top 100 accounts from the total supply of 200,000,000.00 token)

FarmBit Contract Interaction Details

Time Series: Token Contract Overview

Mon 6, Dec 2021 - Mon 27, Dec 2021

Token Contract 0x80473d3a473c9b63101dbb9359992b657a6b74fa (FarmBit)
Source: BscScan.com



FarmBit Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	Legion Network: Vesting	178,492,564.845	89.2463%
2	Null Address: 0x000...dEaD	12,144,023.741071964514237695	6.0720%
3	0x5e0007693a2d3a4b8ff7af4f8906014cf968f4d	4,736,866.933563168194197038	2.3684%
4	PancakeSwap V2: FMB 4	3,179,680.015588434771773295	1.5898%
5	0x96df9c1fa0678c66fcec5dfc84ee79b8cd155225	197,497.98	0.0987%
6	0xf0df31bd0a732c90772154bbcaa665e5efee7159	91,925.508249304763650954	0.0460%
7	0x2f09d2d31a7305d6da01992af3a0fc05fc0c2ed	88,888	0.0444%
8	0x5104086cd38e16afb786ec7818f8e789a6f69f8	55,555	0.0278%
9	0x4901e7add42297e74ee255b12f89c42488e0ccd8	38,899	0.0194%
10	0x54d0e4370efdfd02b6a92d905d6465754e1c9332	38,615.85436875	0.0193%



Contract functions details

- + [Int] IBEP20
 - [Ext] totalSupply
 - [Ext] decimals
 - [Ext] symbol
 - [Ext] name
 - [Ext] getOwner
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance
 - [Ext] approve #
 - [Ext] transferFrom #
- + Context
 - [Int] <Constructor> #
 - [Int] _msgSender
 - [Int] _msgData
- + [Lib] SafeMath
 - [Int] add
 - [Int] sub
 - [Int] sub
 - [Int] mul
 - [Int] div
 - [Int] div
 - [Int] mod
 - [Int] mod
- + Ownable (Context)
 - [Int] <Constructor> #
 - [Pub] owner
 - [Pub] renounceOwnership #
 - modifiers: onlyOwner
 - [Pub] transferOwnership #
 - modifiers: onlyOwner
 - [Int] _transferOwnership #
- + FarmBit (Context, IBEP20, Ownable)
 - [Pub] <Constructor> #
 - [Ext] getOwner
 - [Ext] decimals
 - [Ext] symbol
 - [Ext] name
 - [Ext] totalSupply
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance
 - [Ext] approve #
 - [Ext] transferFrom #
 - [Pub] increaseAllowance #
 - [Pub] decreaseAllowance #
 - [Int] _transfer #
 - [Int] _mint #
 - [Int] _burn #
 - [Int] _approve #
 - [Int] _burnFrom #

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.

Conclusion

Smart contracts do not contain high severity issues!

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.