



MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

SECURITY ASSESSMENT

2021

GAMEFI TOKEN AUDIT REPORT

19 NOV 2021

SECURITY ASSESMENT

TABLE OF CONTENTS

Summary	3
Disclaimer	4
Background	5
Audit Details	6
Contract Details	7
GameFi Token Distribution	8
GameFi Token Contract Interaction Details	8
Top 10 Token Holders	9
Security Issue	10
Token Logo	11
Conclusion	12



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SUMMARY

This report has been prepared for GameFi to discover issues and vulnerabilities in the source code of the GameFi project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Static Analysis, Manual Review, and Testnet Deployment techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices. We suggest recommendations that could better serve the project from the security perspective:

- Enhance general coding practices for better structures of source codes;
- Add enough unit tests to cover the possible use cases given they are currently missing in the repository;
- Provide more comments per each function for readability, especially contracts are verified in public;
- Provide more transparency on privileged activities once the protocol is live.

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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.



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BACKGROUND

MotechAudit was commissioned by GameFi to perform an audit of smart contracts:

<https://bscscan.com/address/0x89af13a10b32f1b2f8d1588f93027f69b6f4e27e>

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.

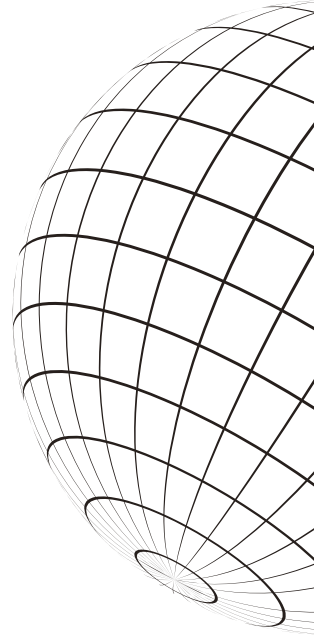
The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.



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AUDIT DETAILS



AUDITED PROJECT

GameFi



DEPLOYER ADDRESS

0x2EE206A3872b17f91071A003dA20c345bD0488d1



CLIENT CONTACTS:

GameFi Team



BLOCKCHAIN

Binance smart chain Project



WEBSITE:

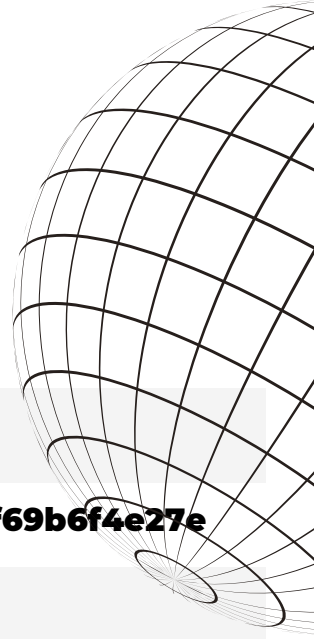
<https://gamefi.org>



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CONTRACT DETAILS

Token contract details for Sep-10-2021



Contract name	GameFi
Contract address	0x89af13a10b32f1b2f8d1588f93027f69b6f4e27e
Total supply	14,965,600 GAFI
Token ticker	GameFi (GAFI)
Decimals	18
Token holders	4,650
Transactions count	118,833
Top 100 holders dominance	99.9318%
Contract deployer address	0x2EE206A3872b17f91071A003dA20c345bD0488d1
Contract's current owner address	0x2EE206A3872b17f91071A003dA20c345bD0488d1

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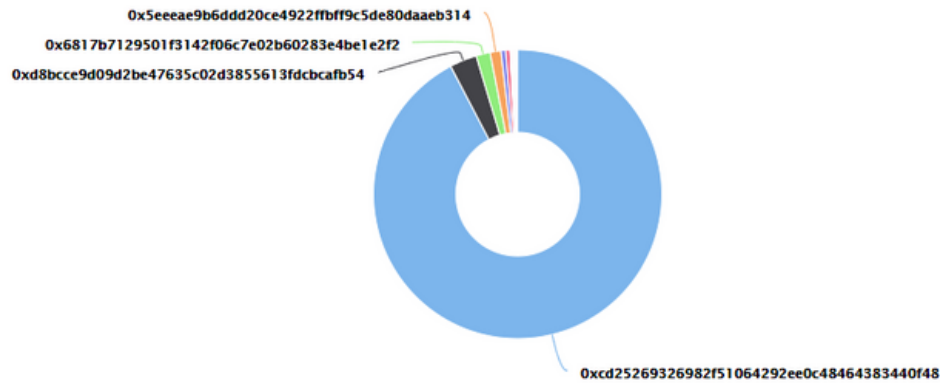
GAMEFI TOKEN DISTRIBUTION

The top 100 holders collectively own 99.96% (14,959,035.22 Tokens) of GameFi

Token Total Supply: 14,965,600.00 Token | Total Token Holders: 4,654

GameFi Top 100 Token Holders

Source: BscScan.com



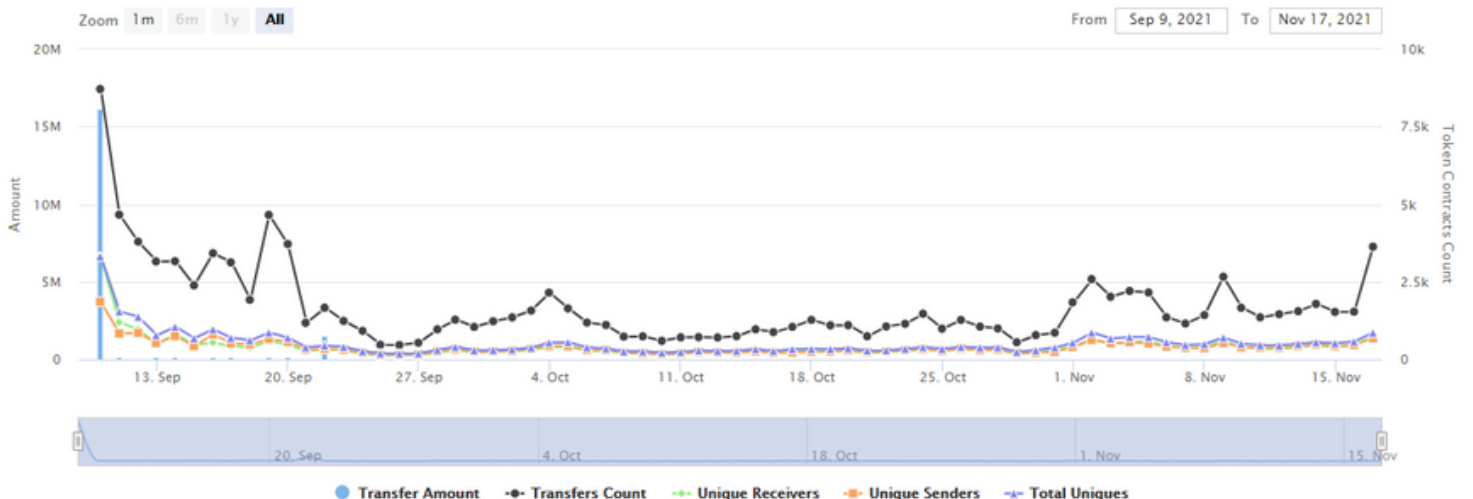
(A total of 14,959,035.22 tokens held by the top 100 accounts from the total supply of 14,965,600.00 token)

GAMEFI TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Fri 10, Sept 2021 - Wed 17, Nov 2021

Token Contract 0x89af13a10b32f1b2f8d1588f93027f69b6f4e27e (GameFi)
Source: BscScan.com



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TOP 10 TOKEN HOLDERS

Rank	Address	Quantity	Percentage	Value	Analytics
1	0xcd25269326982f51064292ee0c48464383440f48	13,817,505.0002	92.3284%	\$3,505,772,995.70	📊
2	0xd8bcce9d09d2be47635c02d3855613fdbcabfb54	453,355	3.0293%	\$115,025,087.12	📊
3	📁 0x6817b7129501f3142f06c7e02b60283e4be1e2f2	236,614.42569253531855043	1.5811%	\$60,033,737.20	📊
4	0x5eeae9b6ddd20ce4922ffb9c5de80daab314	180,000	1.2028%	\$45,669,543.03	📊
5	📁 0x7c9014958a205975b20cca42b50f38e9dea89a2c	80,997	0.5412%	\$20,550,533.21	📊
6	📁 0x238284a4f8838a09d6b79e6e107d0e3969512cb9	68,998	0.4610%	\$17,506,150.72	📊
7	0x47cc0d732a8a4c2190fe8b98b7960d89ba037c0b	6,750	0.0451%	\$1,712,607.86	📊
8	0xbc187fc0261d3c93196454b2c61c8f800bca5437	6,000	0.0401%	\$1,522,318.10	📊
9	0xfb716c8d255ca75dfa931c23b88bbce843ef8106	6,000	0.0401%	\$1,522,318.10	📊
10	0x06ded3e07469c6c12057b46ec302e3951a5ae0be	6,000	0.0401%	\$1,522,318.10	📊

source:<https://bscscan.com/>

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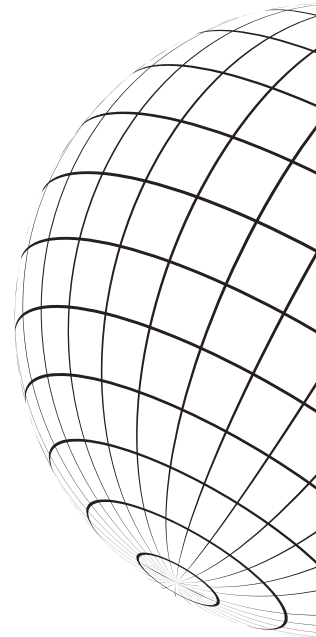
SECURITY ISSUES

✓ Critical Severity Issues
No high severity issues found.

✓ High Severity Issues
No high severity issues found.

✓ Medium Severity Issues
No high severity issues found.

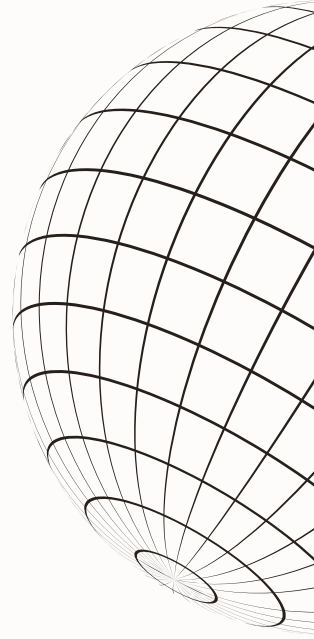
✓ Low Severity Issues
No high severity issues found.



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TOKEN LOGO



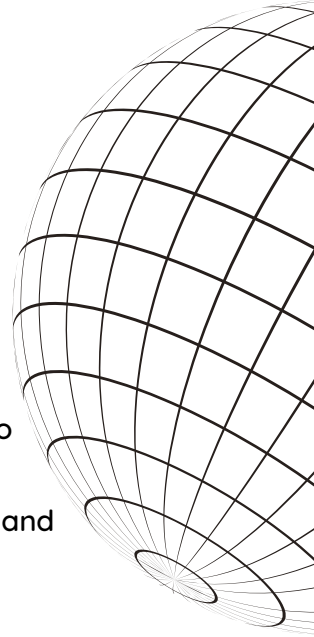
gameFI



SECURITY ASSESMENT CONCLUSION

Smart contracts contain owner privileges!

Motech Audit 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.



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