



**TechRate**  
AUDIT COMPANY

# Smart Contract Security Audit

TechRate

July, 2021

# Audit Details



Audited project

**OMINO**



Deployer address

**0xee943d2DD744A9049a50d71718016df1d18432Da**



Client contacts:

**OMINO team**



Blockchain

**Binance Smart Chain**



Project website:

**<https://omino.finance>**

# 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 OMINO to perform an audit of smart contracts:

<https://bscscan.com/address/0x7d0FA3b5771D9A71b188F9fF3D2ebaABf3faF299#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

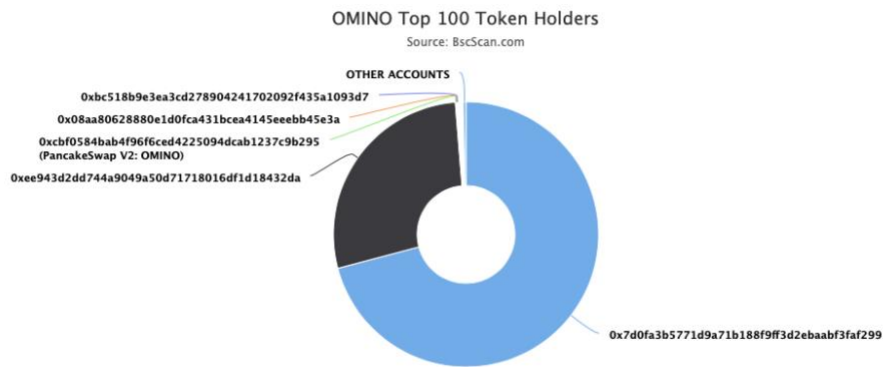
## Token contract details for 20.07.2021

Contract name	OMINO
Contract address	0x7d0FA3b5771D9A71b188F9fF3D2ebaABf3faF299
Total supply	250,000,000
Token ticker	OMINO
Decimals	18
Token holders	4,679
Transactions count	28,346
Top 100 holders dominance	99.66%
Contract deployer address	0xee943d2DD744A9049a50d71718016df1d18432Da
Contract's current owner address	0xee943d2dd744a9049a50d71718016df1d18432da

# OMINO Token Distribution

The top 100 holders collectively own 99.66% (249,158,118.85 Tokens) of OMINO

Token Total Supply: 250,000,000.00 Token | Total Token Holders: 4,679

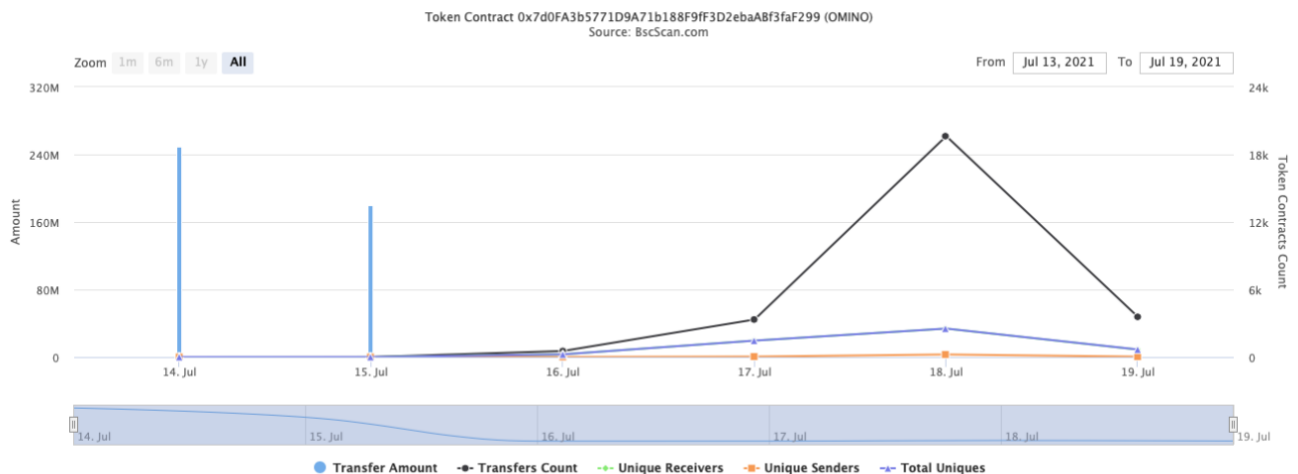


(A total of 249,158,118.85 tokens held by the top 100 accounts from the total supply of 250,000,000.00 token)

## OMINO Contract Interaction Details



Time Series: Token Contract Overview

Wed 14, Jul 2021 - Mon 19, Jul 2021





# OMINO Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	 0x7d0fa3b5771d9a71b188f9ff3d2ebaabf3faf299	177,210,640	70.8843%
2	0xee943d2dd744a9049a50d71718016df1d18432da	69,601,440	27.8406%
3	 PancakeSwap V2: OMINO	327,968.582999737614220658	0.1312%
4	0x08aa80628880e1d0fca431bcea4145eebb45e3a	200,000	0.0800%
5	0xbc518b9e3ea3cd278904241702092f435a1093d7	192,080	0.0768%
6	0xfb2f9fab50420a1be23732f9241554de1803e3f	153,583.286784003731350852	0.0614%
7	0x3df6780c99a9ea7cfc2bd056f4247aa8cb06cef0	149,449.31635788108836447	0.0598%
8	0xbf2a757ab0140ef0d06608a6c679d2507a3f2efa	100,390.026150839822715446	0.0402%
9	0x76c975477046b139aa77d3dc12ec48dcb2f520b3	97,286.145300892966983086	0.0389%
10	0x608c2fddfbfcf21b63914dd004216e66c0795dc	79,880.583954703731808136	0.0320%



# Contract functions details

- + [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] mul
  - [Int] div
- + BEP20Interface
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] allowance
  - [Pub] transfer #
  - [Pub] approve #
  - [Pub] transferFrom #
- + ApproveAndCallFallback
  - [Pub] receiveApproval #
- + Owned
  - [Pub] <Constructor> #
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Pub] acceptOwnership #
- + TokenBEP20 (BEP20Interface, Owned)
  - [Pub] <Constructor> #
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] transfer #
  - [Pub] approve #
  - [Pub] transferFrom #
  - [Pub] allowance
  - [Pub] approveAndCall #
  - [Ext] <Fallback> (\$)
- + OMINO (TokenBEP20)
  - [Pub] getAirdrop #
  - [Pub] tokenSale (\$)
  - [Pub] viewAirdrop
  - [Pub] viewSale
  - [Pub] startAirdrop #
    - modifiers: onlyOwner
  - [Pub] startSale #
    - modifiers: onlyOwner
  - [Pub] clearETH #
    - modifiers: onlyOwner
  - [Ext] <Fallback> (\$)

(\$ ) = 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 start airdrop.
- Owner can start sale.
- Owner can withdraw BNBs from the contract(Not an issue as this is the sale contract).

# Conclusion

Smart contracts contain low severity issues! Liquidity pair contract's security is not checked due to out of scope.

Liquidity locking details NOT provided by the team.

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## *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.*



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