



AUDIT COMPANY



# LAMBRO 2.0 (LAMBRO)

SMART CONTRACT SECURITY AUDIT

May 2024

CheckDot



# 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

CheckDot was commissioned by Lambro to perform an audit of smart contracts:

Mainnet bscscan Deployed Contract:

<https://bscscan.com/address/0xA7cD7b237A6e928cD507e5bE4AEe953d7482E80E#code>

Github Repository: None

Github Repository Commit Hash: None

Website: <https://lambro.io/>

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.



# 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. SPL Methods execution permissions.	Passed
11. Economy model of the contract.	Passed
12. The impact of the Market exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping, Metadata 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
22. Fees detection	Passed



# Contract Overview

**PASSED**

**LAMBRO**

(LAMBRO)

**LOW RISK**

ADDRESS

0XA7CD7B237A6E928CD507E5BE4AEE953D7482E80E

SIMULATION RESULTS

BUY TAX

0.0%

SELL TAX

0.0%

TRANSFER TAX

0.0%

BUY GAS

169,304

SELL GAS

122,826

SOURCE CODE

✓ OPEN SOURCE

BUY LIMIT

NONE DETECTED

SELL LIMIT

NONE DETECTED

Source code Verified on BscScan (The token uses the official ERC20 Structure without any internal interface modification).

Mint Possibility : Limited to the max supply.

Pause Possibility : Yes only by the owner who can pause all transfers.

18 decimals token.

0% Buy Internal Tax.

0% Sell Internal Tax.

No Buy Limit.

No Sell Limit.

No Market Pair yet.

The team can no longer mint more than the maximum supply specified at the creation of the smart contract who is actually - 1,000,000,000 LAMBRO

Supply Fixed 1,000,000,000 LAMBRO



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# Markets

None



# Issues Categories

Total: [0 High, 0 Medium, 2 Low]

## ✔ High Severity Issues

1. No issues.

## ✔ Medium Severity Issues

1. No issues.

## ✔ Low Severity Issues

1. The lack of Token distribution when creating the smart contract, which is necessary to be clear with all future holders. The project must be clear with its holders by establishing a real and clear distribution and if possible with all the links available on the explorers. With this lack of transparency, the project will attract fewer investors.

2. Extensive transfer control: the contract can be interrupted at any time by the owner. This function enables the owner to activate or deactivate the ability to make transfers at any time. Our advice is to remove this feature in order to obtain a fully decentralized token.

# Token Distribution

The token distribution process in this token ERC20 Protocol is a crucial component that allocates the initial supply of 1,000,000,000 LAMBRO tokens to various wallets in accordance with predefined tokenomics. This distribution is a recommended practice applied by the project to fulfill various purposes, including liquidity provision, presale tokens, reserves, users rewards, strategic partnerships like CEX's and advisors.

*The distribution is provided by the team and don't hesitate to ask the team and follow the social networks to be always updated if any change arrives after this audit.*

Distribution is not spread over several portfolios.

40% (400,000,000) of the totalSupply is for the Ecosystem Growth and User Rewards.

20% (200,000,000) of the totalSupply is for the Development and Team.

15% (150,000,000) of the totalSupply is for the Partnerships and Strategic Alliances.

10% (100,000,000) of the totalSupply is for the Marketing and Business Development.

10% (100,000,000) of the totalSupply is for the Reserve Fund.

5% (50,000,000) of the totalSupply is reserved for the Advisors.



## Extra functions

### mint

A Mint function exists only to recreate LAN tokens up to the maximum ceiling of 1,000,000,000.

After taking a look at the code, this function is useless. No one can burn tokens.

We recommend deleting this function because of possible misunderstanding by investors when checking part of the code.

### pause / unpause

The pause function allows the owner to pause the smart contract and, at the same time, stop any transfer from LAMBRO.

The unpause function resets the smart contract to its initial statement.

We recommend deleting this function to provide a truly decentralized smart contract.



# Conclusion

After a thorough review of this comprehensive audit conducted by CheckDot on behalf of Lambro, the smart contract's functionality, potential security vulnerabilities, token distribution and additional features were thoroughly analyzed. The aim of the audit was to ensure that the smart contract was working properly, and to identify any security issues in order to strengthen its security features.

## Issues Checked and Status

The evaluation encompassed various aspects, such as compiler errors, race conditions, data delivery delays, and more. The audit successfully passed several crucial checkpoints, including front-running protection, integer overflow and underflow prevention, and proper scoping, metadata, and declarations.

## Issues Categories

This audit report does not identify any high and medium issues, with the exception of two low informal issues:

Low (1). Lack of token Distribution, We recommend providing more details to the community.

Low (2). Large control on the transfers of the token, by pausing the transfers at any moment. This provides a large power to the owner. We recommend removing this functionality before using this smart contract.

## Extra Functions and Security Measures

Notably, no major function can touch the security of the holders.



In summary, this audit reflects a solidly designed smart contract with a thorough review of functionality and security measures. The issues raised no points in terms of security. The token is correctly applied, but would require some adjustments to be made by the team in the days following this audit. The LAMBRO token is resilient thanks to adequate security measures and few adjustments to the transparency of token distribution would be appreciated, paving the way for a secure and efficient decentralized ecosystem on the blockchain Binance Smart Chain.

Overall, the smart contract demonstrates a commendable commitment to security and usability, providing a solid foundation for the intended use in the deployment and management of LAMBRO tokens.

*CheckDot 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.*