expelee

Building the Futuristic Blockchain Ecosystem

SECURITY AUDIT REPORT

MOG PEPE

TOKEN OVERVIEW

Risk Findings

Severity	Found
🔴 High	0
🟠 **Medium**	0
🟡 **Low**	0
🔵 **Informational**	1

Centralization Risks

Owner Privileges	Description
🟢 **Can Owner Set Taxes >25% ?**	**Not Detected**
🟢 **Owner needs to enable trading ?**	**Not Detected**
🟢 **Can Owner Disable Trades ?**	**Not Detected**
🟢 **Can Owner Mint ?**	**Not Detected**
🟢 **Can Owner Blacklist ?**	**Not Detected**
🟢 **Can Owner set Max Wallet amount ?**	**Not Detected**
🟢 **Can Owner Set Max TX amount ?**	**Not Detected**

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OVERVIEW

The Expelee team has performed a line–by–line manual analysis and automated review of the smart contract. The smart contract was analysed mainly for common smart contract vulnerabilities, exploits, and manipulation hacks. According to the smart contract audit:

Audit Result	**Passed**
Audit Date	**13 August 2024**

CONTRACT DETAILS

Token Address: 0xdce796806394E015b7BcF71d1558181A194fC62a

Name: PEPE

Symbol: MOG PEPE

Decimals: 18

Network: BscScan

Token Type: BEP-20

Owner: -

Deployer: 0x724F37aE4de28c4ca0FD5B7C111850a3A2BC4968

Token Supply: -

Checksum: A17acbefe2a12642d388659dffd20311

Testnet:
https://bscscan.com/address/0xdce796806394E015b7BcF71d1558181A194fC62a#code

AUDIT METHODOLOGY

Audit Details

Our comprehensive audit report provides a full overview of the audited system's architecture, smart contract codebase, and details on any vulnerabilities found within the system.

Audit Goals

The audit goal is to ensure that the project is built to protect investors and users, preventing potentially catastrophic vulnerabilities after launch , that lead to scams and rugpulls.

Code Quality

Our analysis includes both automatic tests and manual code analysis for the following aspects:

- Exploits
- Back-doors
- Vulnerability
- Accuracy
- Readability

Tools

- Manual Review: The code has undergone a line-by-line review by the Ace team.
- BSC Test Network: All tests were conducted on the BSC Test network, and each test has a corresponding transaction attached to it. These tests can be found in the "Functional Tests" section of the report.
- Slither: The code has undergone static analysis using Slither.

VULNERABILITY CHECKS

Design Logic	Passed
Compiler warnings	Passed
Private user data leaks	Passed
Timestamps dependence	Passed
Integer overflow and underflow	Passed
Race conditions & reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front Running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zepplin module	Passed

RISK CLASSIFICATION

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and acces control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.
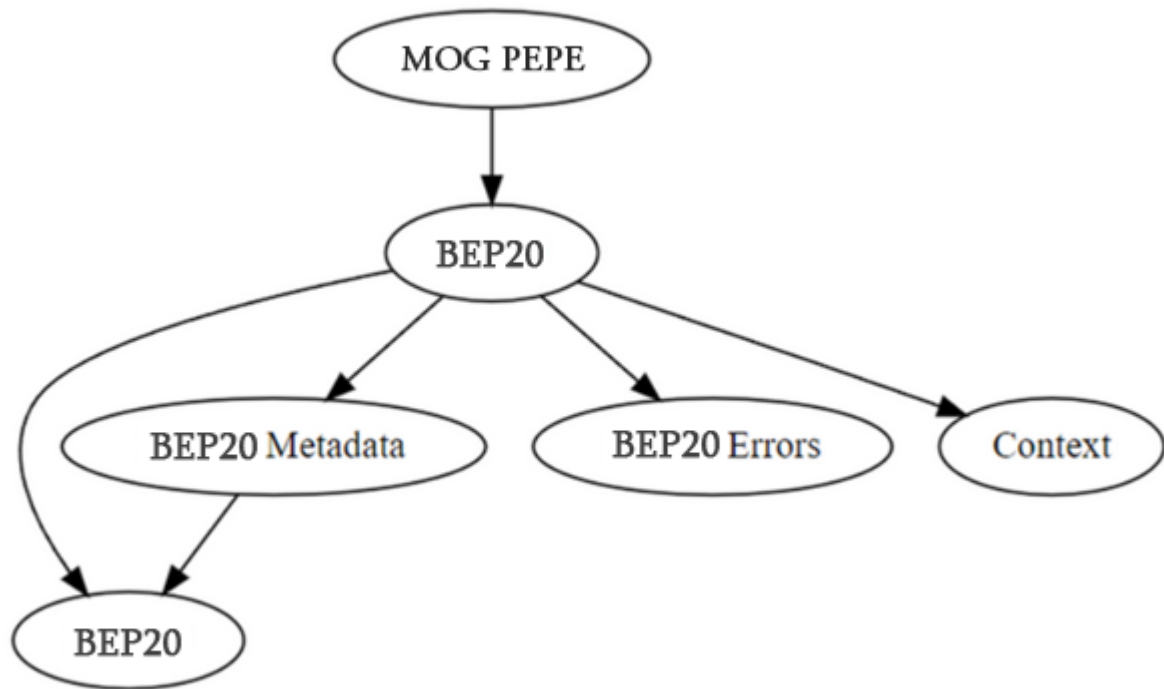
Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Issues on this level are minor details and warning that can remain unfixed.

INHERITANCE TREE

TESTNET VERSION

1- Approve (passed):
https://bscscan.com/address/0xdce796806394E015b7BcF71d1558181A194fC62a#code

2- Transfer (passed):
https://bscscan.com/address/0xdce796806394E015b7BcF71d1558181A194fC62a#code

MANUAL REVIEW

Severity Criteria

Expelee assesses the severity of disclosed vulnerabilities according to methodology based on OWASP standarts.

Vulnerabilities are dividend into three primary risk categroies:
High
Medium
Low

High-level considerations for vulnerabilities span the following key areas when conducting assessments:

- Malicious input handling
- Escalation of privileges
- Arithmetic
- Gas use

		Overall Risk Severity		
Impact	HIGH	Medium	High	Critical
	MEDIUM	Low	Medium	High
	LOW	Note	Low	Medium
		LOW	MEDIUM	HIGH
		Likelihood		

INFORMATIONAL FINDINGS

Optimization
Severity: Informational
Subject: Floating Pragma Solidity version
Status: Open

Overview:
It is considered best practice to pick one compiler version and stick with it. With a floating pragma, contracts may accidentally be deployed using an outdated.
pragma solidity ^0.8.26;

Suggestion:
Adding the latest constant version of solidity is recommended, as this prevents the unintentional deployment of a contract with an outdated compiler that contains unresolved bugs.

ABOUT EXPELEE

Expelee is a product-based aspirational Web3 start-up. Coping up with numerous solutions for blockchain security and constructing a Web3 ecosystem from deal making platform to developer hosting open platform, while also developing our own commercial and sustainable blockchain.

www.expelee.com

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