



Building the Futuristic **Blockchain Ecosystem**

# SECURITY AUDIT REPORT

Pepe Cyborg

# TOKEN OVERVIEW

## Risk Findings

Severity	Found
<span>●</span> High	1
<span>●</span> Medium	0
<span>●</span> Low	0
<span>●</span> Informational	0

## Centralization Risks

Owner Privileges	Description
<span>●</span> Can Owner Set Taxes >25% ?	Not Detected
<span>●</span> Owner needs to enable trading ?	Yes, owner needs to enable trades
<span>●</span> Can Owner Disable Trades ?	Not Detected
<span>●</span> Can Owner Mint ?	Not Detected
<span>●</span> Can Owner Blacklist ?	Not Detected
<span>●</span> Can Owner set Max Wallet amount ?	Not Detected
<span>●</span> 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:

<b>Audit Result</b>	<b>Passed With High Risk</b>
<b>KYC Verification</b>	-
<b>Audit Date</b>	<b>5 July 2023</b>

# CONTRACT DETAILS

Token Name: Pepe Cyborg

Symbol: \$PEPECY

Network: Binance Smart Chain

Language: Solidity

Contract Address:

0xA32B0c3Fc6F745202125E10B30F1CbC1Ca1dA596

Total Supply: 3,140,000,000

Owner's Wallet:

0x9d07b6d0491088118e74468fe0050fa146f3702c

Deployer's Wallet:

0x9d07b6d0491088118e74468fe0050fa146f3702c

Testnet.

<https://testnet.bscscan.com/token/0xf704ABF570d4741f1c22D5B099fC188B8af04Ca4>

# 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

- DE
- Open Zeppelin
- Code Analyzer
- Solidity Code
- Compiler
- Hardhat

# 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 access 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

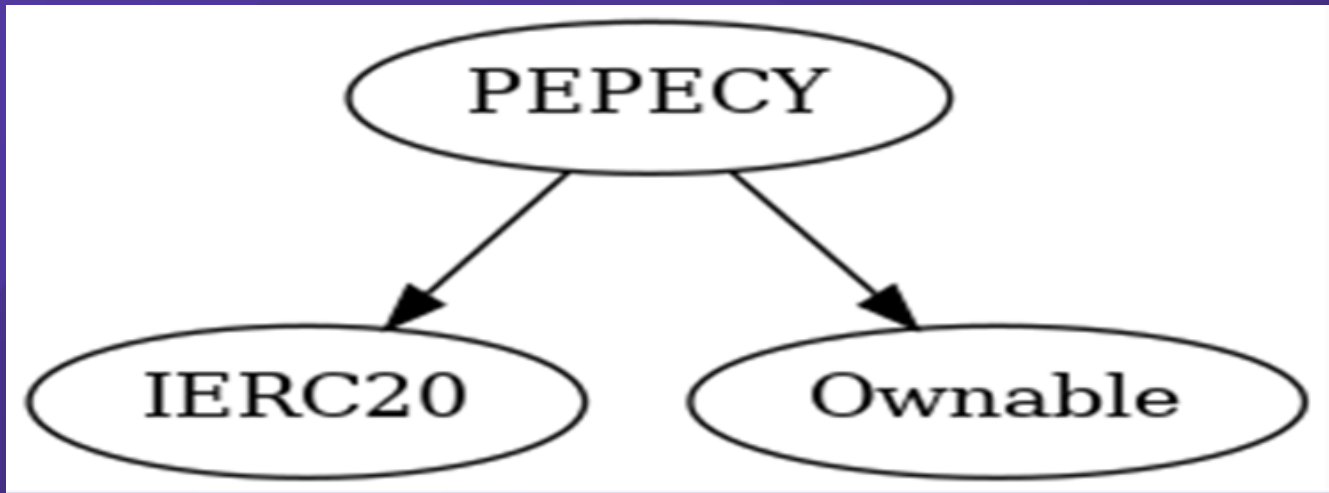
Issues on this level are minor details and warnings that can remain unfixed.

## Informational

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



# INHERITANCE TREES



# FUNCTION DETAILS

Contract	Type	Bases			
----- ----- ----- ----- -----					
L	**Function Name**	**Visibility**	**Mutability**	**Modifiers**	
**PEPECY**   Implementation   IERC20, Ownable					
L	<Constructor>	Public	!	●	NO !
L	<Receive Ether>	External	!	👛	NO !
L	totalSupply	External	!		NO !
L	name	Public	!		NO !
L	symbol	Public	!		NO !
L	decimals	Public	!		NO !
L	balanceOf	Public	!		NO !
L	allowance	External	!		NO !
L	approve	Public	!	●	NO !
L	_approve	Internal	🔒	●	
L	approveMax	External	!	●	NO !
L	transfer	External	!	●	NO !
L	transferFrom	External	!	●	NO !
L	_transferFrom	Internal	🔒	●	
L	takeFee	Internal	🔒	●	
L	_basicTransfer	Internal	🔒	●	
L	shouldTakeFee	Internal	🔒		
L	shouldDoContractSwap	Internal	🔒		
L	isFeeExcluded	Public	!		NO !
L	doContractSwap	Internal	🔒	●	swapping
L	swapTokensForTokens	Private	🔒	●	
L	setIsFeeExempt	External	!	●	onlyOwner
L	setDoContractSwap	External	!	●	onlyOwner
L	changeMarketingWallet	External	!	●	onlyOwner
L	changeBuyFees	External	!	●	onlyOwner
L	changeSellFees	External	!	●	onlyOwner
L	enableTrading	External	!	●	onlyOwner
L	setAuthorizedWallets	External	!	●	onlyOwner
L	rescueETH	External	!	●	onlyOwner
L	changeGetFeesOnTransfer	External	!	●	onlyOwner
L	changePair	External	!	●	onlyOwner
Symbol   Meaning					
----- -----					
●	Function can modify state				
👛	Function is payable				

# TESTNET VERSION

Adding Liquidity 

Tx:

<https://testnet.bscscan.com/tx/0x6e0c4fe5083326e09ec10a2e22be18d3145b14253eb7352edb81b82015dcaaa7>

=====

Buying when excluded from fees 

Tx (0% tax):

<https://testnet.bscscan.com/tx/0xf6aa7e164ea739243007d823808f4a4b516fdcf26ebd31b5e73e1e8523ea17e1>

=====

Selling when excluded from fees 

Tx (0% tax):

<https://testnet.bscscan.com/tx/0xdbcbc8149b8ed7279442e948e37f13c9cd1367b7af8823ecc02485c5557308cf>

=====

Transferring when excluded from fees 

Tx (0% tax):

<https://testnet.bscscan.com/tx/0x340de3a8d68db8b03f213abfba1856184e988f8c8a12f17c755a2fc3387a3d16>

=====

Buying 

Tx (0-10% tax):

<https://testnet.bscscan.com/tx/0xb0acd9c4a8f2b066b72673d9595e2c7294567ccf03f808ad612cf228099f71bf>

# TESTNET VERSION

Selling ✓

Tx (0-10% tax):

<https://testnet.bscscan.com/tx/0x654cf64ad1229bf6cb6004a4882fe842774b1a9a8bec381812ba05760cec458d>

=====

Transferring ✓

Tx (0-10% tax):

<https://testnet.bscscan.com/tx/0xe22fd4f37ed92117c63d14722bd8813a67ecc793c5a7e7e8c95eb1d5c6113045>

=====

Internal swap ✓

Tx:

<https://testnet.bscscan.com/address/0xfccaa044c7e1d567b191978fe998a8c6860f0af0#token txns>

# MANUAL REVIEW

## Severity Criteria

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

Vulnerabilities are divided into three primary risk categories:

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			

# HIGH RISK FINDING

**Trades are disabled by default**

**Category:** Centralization

**Status:** Open

**Severity:** High

## Overview:

Owner of the contract must enable trades manually for holders. If trades remain disabled, holders won't be able to trade their tokens.

```
function enableTrading() external onlyOwner {  
    require(!isTradeEnabled, "Trading already enabled");  
    isTradeEnabled = true;  
    listingTime = block.timestamp;  
}
```

## Suggestion:

Its suggested to enable trades before presale which can be achieved by calling “enableTrading” functino or transfer ownership of the contract to a trusted 3rd party e.g. a certified safu developer.

# 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](http://www.expelee.com)

 [expeleeofficial](https://twitter.com/expeleeofficial)

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 [Expelee](https://t.me/Expelee)

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# expelee

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Always do your own research and project yourselves from being scammed. The Expelee team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools.

Under no circumstances did Expelee receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Alway do your own research and protect yourselves from scams.

This document should not be presented as a reason to buy or not buy any particular token. The Expelee team disclaims any liability for the resulting losses.

The logo for Expelee, featuring the word "expelee" in a stylized font. The "ex" is in white, and "pelee" is in orange. The letters are bold and modern.

Building the Futuristic **Blockchain Ecosystem**