

PEX Audit

LiquidShare



September 8th, 2023
Audit by PEX

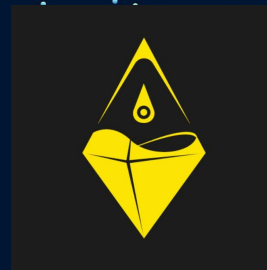
Disclaimer

PapaExchange LLP will be referred to as PEX per this report

- **PEX** audits and reports should not be considered as a form of project's "advertisement" and does not cover any interaction and assessment from "project's contract" to "external contracts" such as Pancakeswap or similar.
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- Each company or project shall be liable for its own security flaws and functionalities. **PEX** presence is to analyze, audit and assess the client's smart contract's code.

Scope of Work

- The main focus of this report/audit, is to document an accurate assessment of the condition of the smart contract and whether it has any security flaws in the implementation of the contract. **LiquidShare** team agreed and provided us with the files that needed to be tested (Through Github, EtherScan, files, etc.). **PEX** will be focusing on contract issues and functionalities along with the projects claims from smart contract to their website, whitepaper and repository where available, which has been provided by the project. Code is reviewed manually and with the use of software using industry best practices.



Background

- **PEX** was commissioned by **LiquidShare** to perform an audit of smart contract:

- Contract Address
0xD0f395AA1b49aD410B26f52348aEbCff109940E8

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.

LiquidShare Project



LiquidShare is pioneering a transformation in the realm of decentralized finance (DeFi). With a unique focus on deflationary tokenomics and equitable distribution of liquidity, LSHARE aims to resolve the pitfalls commonly seen in conventional liquidity pools.



LiquidShare Telegram * **LiquidShare Website *** **LiquidShare Twitter/X ***



Contract Details

Token Name - Liquid Share

Contract Address

Token Description - Dividend Token

0xD0f395AA1b49aD410B26f52348aEbCff109940E8

Compiler Version - v0.8.15

Contract Deployer Address

Current Holders - 1

0xe7c7955b41d9EfB30A2F04bb7C1C24F130B82c14

Current Transaction Count - 1

Contract Owner Address

Total Supply - 100,000,000 Tokens

0xe7c7955b41d9EfB30A2F04bb7C1C24F130B82c14

Token Ticker - LSHARE

Decimals - 18

KYCd by - ICSA

Top 100 Holder % - 100% of Tokens

Launch Type - Whitelisted Presale

LP Lock - No LP lock at this time/TBC

Owner Privileges/Fees

Privileges

Ownership **HAS NOT BEEN** renounced. The owner has privileges or authority to make **SOME** changes. The contract owner can enable or disable trading, set maximum buy and sell amounts, and exclude certain addresses from fees or from the maximum wallet limit, blacklist bots,

Fees

Buy - 6% **Sell - 6%**

Owner must keep buy/sell fees at 12% or lower. This is **BELOW** our recommended max percentage of 25 combined fee/tax%.

Adjustable Functions

(After Contract Deployment)

1. Manual Liquidity Distribution
2. Activate Trading
3. Approve
4. Claim
5. Decrease Allowance
6. Exclude From Dividends
7. Exclude From Fees
8. Exclude From Max Wallet
9. Renounce Ownership
10. Increase Allowance
11. Renounce Ownership
12. Rescue ETH20 Tokens
13. Set Automated MarketMaker Pair
14. Set Bot
15. Set Buy Taxes
16. Set Claim Enabled
17. Set LP token
18. Set Max Buy and Sell
19. Set Marketing Wallet
20. Set Rescue Wallet
21. Set Sell Taxes
22. Set Swap Enabled
23. Set Swap Tokens At Amount
24. Tracker Rescue ETH20 Tokens
25. Transfer
26. Transfer From
27. Transfer Ownership
28. Update Dividend Tracker
29. Update Max Wallet Amount
30. Update Router

LiquidShare Call Graph

This is the call graph, a graphical representation of the relationships between different function calls within a contract. It shows how the functions interact with each other, allowing developers to understand the flow of the contract and identify potential performance issues.



Weakness/Vulnerabilities

MythX passing

SWC-100 → Function Default Visibility = PASSED

SWC-101 → Integer Overflow and Underflow = PASSED

SWC-102 → Outdated Compiler Version = PASSED

SWC-103 → Floating Pragma = PASSED

SWC-104 → Unlocked Call Return Value = PASSED

Low issue = Low-level weakness/vulnerabilities are mostly related to outdated, unused etc. code snippets, that can't have significant impact on execution.

Weakness/Vulnerabilities

SCAN RESULTS

SWC-105 → Unprotected Ether Withdrawal = PASSED

SWC-106 → Unprotected SELF DESTRUCT Instruction = PASSED

SWC-107 → Reentrancy = PASSED

SWC-108 → State Variable Default Visibility = PASSED

SWC-109 → Uninitialized Storage Pointer = PASSED

SWC-110 → Assert Violation = PASSED

SWC-111 → Use of Deprecated Solidity Functions = PASSED

SWC-112 → Delegatecall to Untrusted Callee = PASSED

Weakness/Vulnerabilities

SCAN RESULTS

SWC-113 → DoS with Failed Call = **PASSED**

SWC-114 → Transaction Order Dependence = **PASSED**

SWC-115 → Authorization Through Tx. Origin = **PASSED**

SWC-116 → Block Values as a Value for Time = **PASSED**

SWC-117 → Signature Malleability = **PASSED**

SWC-118 → Incorrect Constructor Name = **PASSED**

SWC-119 → Shadowing State Variables = **PASSED**

SWC-120 → Weak Source of Randomness From Chain Attributes = **PASSED**

Weakness/Vulnerabilities

SCAN RESULTS

SWC-121 → Missing Protection Against Signature Replay Attacks = **PASSED**

SWC-122 → Lack of Proper Signature Verification = **PASSED**

SWC-123 → Requirement Violation = **LOW ISSUE**

SWC-124 → Write to Arbitrary Storage Location = **PASSED**

SWC-125 → Incorrect Inheritance Order = **PASSED**

SWC-126 → Insufficient Gas Griefing = **PASSED**

SWC-127 → Arbitrary Jump with Function Type Variable = **PASSED**

SWC=128 → DoS with Block Gas Limit = **PASSED**

Weakness/Vulnerabilities

SCAN RESULTS

SWC-129 —> Typographical Error = PASSED

SWC-130 —> Right-to-Left Override Control Character = PASSED

SWC-131 —> Presence of Unused Variables = PASSED

SWC-132 —> Unexpected Ether Balance = PASSED

SWC-133 —> Hash Collisions with Multiple Variable Length Arguments = PASSED

SWC-134 —> Message Call with Hardcoded Gas Amount = PASSED

SWC-135 —> Code with no effects = PASSED

SWC-136 —> Unencrypted Private Data On-Chain = PASSED

Low Issues Found

SWC-123 - L. 84 C. 15149 / L. 84 C. 15510

“Requirement Violation”

“Improper Following of Specification by Caller”

The product does not follow or incorrectly follows the specifications as required by the implementation language, environment, framework, protocol, or platform.

When leveraging external functionality, such as an API, it is important that the caller does so in accordance with the requirements of the external functionality or else unintended behaviors may result, possibly leaving the system vulnerable to any number of exploits.

Overall Assessment

Satisfactory

LiquidShare has successfully passed the
Pex Audit!



Closing Notes

This audit is for a deployed token that has not added liquidity, functions have been tested on Remix VM.

Whilst there are limitless ownable callable functions that have the potential to be dangerous, they are not overtly so. Trust in the team would mitigate many of these risks. Please make sure you do your own research. If in doubt please contact the project team.

Always make sure to inspect **all values and variables**.

This includes, but is not limited to: • Ownership • Proper Ownership Renouncement (if any) • Taxes • Transaction/Wallet Limits • Token Distributions • Timelocks • Liquidity Locks • Any other owner-adjustable settings or variables.

Enhance the security of your crypto smart contracts with PEX - the company you can trust with your digital assets. Contact us today to schedule an audit and benefit from our cutting-edge expertise in securing your blockchain projects. **PEX: Your gateway to safer, more secure smart contracts.**

~Thank you for choosing PEX