

PEX Audit

Gen Tokens Project



July 31st, 2023

Audit Details

Gen Tokens Project

Auditor's - PapaExchange 

Website - <http://gentokens.com/> *



Blockchain - Binance Smart Chain





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.
- **PEX** does not provide any warranty on its released reports. We should not be used as a decision to invest into an audited project please do your own research. **PEX** provides transparent reports to all its "clients" and to its "clients participants" and will not claim any guarantee of bug-free code within its Smart Contract.
- 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.
Gen team agreed and provided us with the files that needed to be tested (Through Github, BscScan, 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 **Gen** to perform an audit of smart contract:

- Contract Address
`0x5a457fb51bd0f50df9ec9f3d0aec04cd4b9ce0bf`

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.

Gen Tokens Project

Gen is the flagship token of the Gen Tokens community. Free Reward Tokens created at www.tokensbygen.com include an immutable 5% GEN Reward Every new reward token created, pumps GEN!

Social Media

Telegram - https://t.me/gen_gentokens.com/ *

Twitter - https://twitter.com/GEN_GenTokens *

YouTube - <https://www.youtube.com/c/gentokens> *



Contract Details

Project Name - Gen Tokens Project

Contract Address

Token Description - Rewards Token

0x5a457fb51bd0f50df9ec9f3d0aec04cd4b9ce0bf

Compiler Version - v0.8.19

Contract Deployer Address

Current Holders - 443

0x888220cf888894a717eaffd9c29480c52c5cbbb7

Current Transaction Count - 463

Contract Owner Address

Total Supply - 200,000,000 GEN Tokens

Token Ticker - GEN

0x888220cf888894a717eaffd9c29480c52c5cbbb7

Decimals - 9

Top 100 Holder % - 92.5% of Tokens

KYCd by - Audit Rate Tech

**LP Lock - 100% of initial 60 BNB locked at DX Sale until
December 31st, 2024**

Launch Type - Migration

GEN LP Token Holders

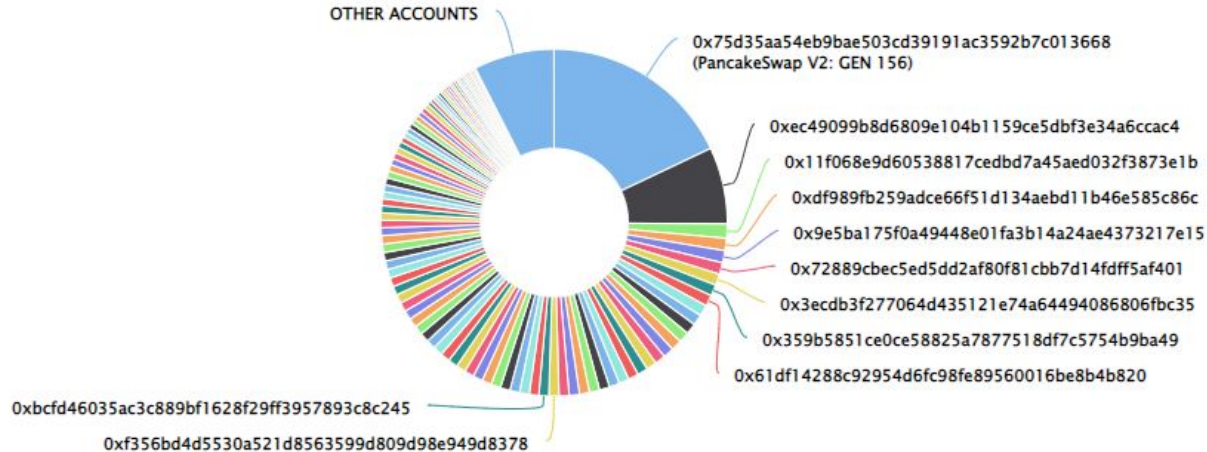
1. **0x1aae47396be8a0be0f95469347a7e1cf02064684 99.99% (Locked)**
2. **0x0ed943ce24baebf257488771759f9bf482c39706 0.002%**
3. **0x00 0.0000%**



Top 100 STN Holders

GEN Top 100 Token Holders

Source: BscScan.com



A TOTAL OF 184,969,592.68 TOKENS ARE HELD BY THE TOP 100 HOLDERS

Owner Privileges/Fees

Privileges

Ownership **HAS NOT BEEN** renounced. The owner has privileges or authority to make **SOME** changes. Owner entitled to **change buy/sell fees, exclude wallets from fees and change wallet limits.**

Fees

Buy - 9% Sell - 9%

Owner must keep fees at 18% combined or lower. This is **BELOW** our recommended max percentage of 25%.

Adjustable Functions

(After Contract Deployment)

1. Add Liquidity Pair
2. Approve
3. Decrease Allowance
4. Free Wallet Transfers
5. Increase Allowance
6. Open Trade
7. Ownership RENOUNCE *
8. Ownership TRANSFER *
9. Auto Process
10. Process Now
11. Remove Fee When Processing
12. Rescue Tokens
13. Swap Trigger Count
14. Rewards Exclude Wallet
15. Rewards Include Wallet
16. Set Fees
17. Transfer
18. Transfer From
19. Fee Collector
20. Link Audit
21. Link Dox
22. Link Liquidity Lock
23. Link Telegram
24. Link Website
25. Wallet Exclude From Fees
26. Wallet Exempt From Limits
27. Wallet Pre Launch Access

Functions all checked on Remix VM

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 = PASSED

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**

Overall Assessment

Satisfactory

Gen Tokens Project has successfully passed
the Pex Audit



Closing Notes

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.

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.

~~Thank you for choosing PEX

