GOSH TRUST

Smart Contract Security Audit

FOR

SUPERTRX

SUPER TRX

TABLE OF CONTENTS

SUMMARY

Auditing Firm	GOSHTRUST
Smart Contract Audit Approved by	Zachary | Blockchain Specialist
Platform	Solidity
Audit Check	Manual & Automatic Intelligent Analysis
Request Date	April 26, 2022
Report Date	April 27, 2022

AUDIT SUMMARY

This audit report was prepared by GOSHTRUST which perfomed a manual line-by-line inspection and automatic analysis of the smart contract.

Our team of blockchain specialists deeply analyzed the smart contract for common vulnerabilities, exploits and manipulation hacks.

According to the smart contract audit:

☑ **SuperTRX has** **SUCCESSFULLY PASSED** **the Smart Contract Audit**

Verify the authenticity of this report on GOSHTRUST GitHub ➤

PROJECT OVERVIEW

GOSH TRUST was contacted on April 26, 2022 by the SUPERTRX team to perform a security audit of their smart contract.

PROJECT DESCRIPTION

SUPERTRX is an hyper-deflationary token with safe autofarming to earn passive reflections. It's the first hyper-deflationary reward token from GOSH Ecosystem that you can earn $TRX automatically with exclusive Buy-Back & Burn, DAO Wallet, Auto Liquidity, Weekly Lotteries, etc...

CONTRACT REVIEW

Client	SUPERTRX
Contract	0xde69d2370309BCE7403d6312DD831FD5d854574b
Token Tracker	SUPERTRX (SPTRX)
Decimals	18
Supply	1,000,000,000,000
Blockchain	Binance Smart Chain
Language	Solidity
Compiler Version	v0.6.12+commit.27d51765
Optimization	Yes with 200 runs
Website	https://supertrx.io
Telegram	https://t.me/SuperTRXOfficial
Twitter	https://twitter.com/SuperTRXio
Email	info@supertrx.io

AUDIT INTRODUCTION

APPROACH & METHODOLOGY

GOSH TRUST performed rigorous testing of the project starting with an in-depth line-by-line analysis of the smart contract to detect any potential issues that may arise.

The code is deployed on testnet using several clients in order to test the functionalities of the smart contract.

Our team then independently tested all functions in the contract to verify that each function works as expected.

Several automatic tests are also performed to assess vulnerabilities and security flaws using different frameworks & tools.

AUDIT GOALS

The purpose of this audit is to ensure that the source code of the smart contract of SUPERTRX is built in a securely and works according to the specifications announced as well as to prevent potential vulnerabilities, exploits and hacks.

CODE QUALITY

Our team conducted a comprehensive review of the smart contract source code to assess the following areas:

- Accuracy
- Readability
- High complexity code
- Compliance with current best practices and industry standards

AUTOMATED FRAMEWORKS

- Slither
- Consensys Mythril
- Consensys MythX
- Consensys Surya
- Open Zeppelin Code Analyzer
- Solidity Code Complier

RISK CLASSIFICATION

RISK INTRODUCTION

Smart contracts are designed to hold and manipulate funds and are therefore prime targets for hackers to carry out attacks and attempt to steal funds directly from the contract.

Risk Severity Levels represents the classification or the probability that a certain function or threat can exploit vulnerabilities and have an impact within the contract.

RISK SEVERITY LEVELS

⬤ CRITICAL SEVERITY ISSUES

- Issues on this level are critical to the smart contract's performance/functionality, can be exploited easily, and should be fixed immediatly.

⬤ HIGH SEVERITY ISSUES

- Issues on this level are important to fix as they can be exploited in order to manipulate the contract.

⬤ MEDIUM SEVERITY ISSUES

- Issues on this level should be fixed as they represent a future risk and can potentially cause issues on smart contract execution.

⬤ LOW SEVERITY ISSUES / PASSED

- Issues on this level are minor details or warnings that do not affect the execution of the smart contract and can be ignored.

SMART CONTRACT ANALYSIS

MANUAL ANALYSIS

	TESTED	RESULT
Total Supply	Yes	🟢
Balance Of	Yes	🟢
Transfer	Yes	🟢
Approve	Yes	🟢
Allowance	Yes	🟢
Buy back	Yes	N/A
Burn	Yes	N/A
Mint	Yes	N/A
Rebase	Yes	N/A
Pause	Yes	N/A
Blacklist	Yes	N/A
Lock	Yes	N/A
Max Wallet	Yes	🟢
Max Transaction	Yes	🟢
Anti-Bot	Yes	N/A
Transfer OwnerShip	Yes	🟢
Renounce OwnerShip	Yes	🟢

VULNERABILITIES CHECK

	DESCRIPTION	RESULT
SWC-100	Function Default Visibility	🟢
SWC-101	Integrer Overflow and Underflow	🟢
SWC-102	Outdated Compiler Version	🟢
SWC-103	Floating Pragma	🟢
SWC-104	Unchecked Ether Withdrawal	🟢
SWC-105	Unprotected Ether Withdrawal	🟢
SWC-106	Unprotected Self Destruct Instruction	🟢
SWC-107	Re-entrancy	🟢
SWC-108	State Variable Default Visibility	🟢
SWC-109	Uninitialized Storage Pointer	🟢
SWC-110	Assert Violation	🟢
SWC-111	Use of Deprecated Solidity Functions	🟢
SWC-112	Delegate Call to Untrusted Callee	🟢
SWC-113	DoS with Failed Call	🟢
SWC-114	Transaction Order Dependence	🟢
SWC-115	Authorization through tx.origin	🟢
SWC-116	Block values as a proxy for time	🟢
SWC-117	Signature Malleability	🟢
SWC-118	Incorrect Constructor Name	🟢
SWC-119	Shadowing State Variables	🟢
SWC-120	Weak Source or Randomness from Chain Attributes	🟢

SWC-121	Missing Protection against Signature Replay Attacks	🟢
SWC-122	Lack or Proper Signature Verification	🟢
SWC-123	Requirement Violation	🟢
SWC-124	Write to Arbitrary Storage Location	🟢
SWC-125	Incorrect Inheritance Order	🟢
SWC-126	Insufficient Gas Griefing	🟢
SWC-127	Arbitrary Jump with Function Type Variable	🟢
SWC-128	DoS With Block Gas Limit	🟢
SWC-129	Typographical Error	🟢
SWC-130	Right-To-Left-Override control character (U+220E)	🟢
SWC-131	Presence of unused variables	🟢
SWC-132	Unexpected Ether balance	🟢
SWC-133	Hash Collisions With Multiple Variable Length Arguments	🟢
SWC-134	Message call with hardcoded gas amount	🟢
SWC-135	Code With No Effects (Irrelevant/Dead Code)	🟢
SWC-136	Unencrypted Private Data On-Chain	🟢

SEVERITY ISSUES

🔴 **CRITICAL SEVERITY ISSUES**

- **0** Critical severity issues identified by our experts on the analysis of the smart contract

🟠 **HIGH SEVERITY ISSUES**

- **0** High severity issues identified by our experts on the analysis of the smart contract

🟡 **MEDIUM SEVERITY ISSUES**

- **0** Medium severity issues identified by our experts on the analysis of the smart contract

CONTRACT OWNERSHIP

CONTRACT OWNERSHIP

At the time of performing this audit, the contract ownership of SUPERTRX contract is **NOT RENOUNCED**.

Ownership of the contract gives special rights allowing the owner to call sensitive functions that can alter smart contract's safety and security of the protocol.

The current contract owner's address is

0x06a812c8a36111beffe6e3dfeb5815c0eeb1e8d8

The owner has the authority to call sensitive functions listed in the Owner Privilege section below.

PRIVILEGIED FUNCTIONS (IF OWNERSHIP NOT RENOUNCED)

FUNCTION	DESCRIPTION
UpdateDividendTracker	Owner can update dividend tracker
UpdateUniswapV2Router	Owner can update Uniswap router address
excludeFromFees	Owner can exclude a wallet from fees
SetSwapTokensAtAmount	Owner can set swap tokens amount
setMarketingWallet	Owner can set marketing wallet
setBuyBackWallet	Owner can set buy-back wallet
setLotteryWallet	Owner can set lottery wallet

setDAOWallet	Owner can set DAO wallet
setMaxWalletTokend	Owner can set max token per wallet
setMaxBuyTxAmount	Owner can set max buy amount
setMaxSellTxAmount	Owner can set max sell amount
updateBuyFees	Owner can set buy fees
updateSellFees	Owner can set sell fees
setAutomatedMarketMakerPair	Owner can set AMM pair
updateGasForProcessing	Owner can update gas for processing
updateClaimWait	Owner can update claim wait
excludeFromDividends	Owner can exclude a wallet from dividends
setBalance	Owner can set balance
processAccount	Owner can process account

KEY POINTS

🟢 Owner can't mint tokens after launch

🟢 Owner can't pause trading

🟡 Owner can change Buy/Sell fees over 25%

🟡 Owner can change the max token amount per transaction

🟢 Owner can't blacklist a wallet

🟢 The smart contract utilizes "Safemath" function to avoid vulnerabilities

WEBSITE

WEBSITE AUDIT

DESCRIPTION	RESULT
Website Address	https://supertrx.io
Domain Registration	19-01-2022
Domain Expiry Date	19-01-2023
Server Location	US
Server Response Time	0.86 seconds
SSL Certificate	🟢
Javascript Errors	🟢
Malware	🟢
Injected Spam	🟢
Safe Browsing Test	🟢
Internal Server Errors	🟢
Mobile Friendly	🟢
Minify CSS & Javascript Files	🟢
Image Compression	🟢
Whitepaper	🟢
Roadmap	🟢
Social Medial / Contacts	🟢

GENERAL INFORMATIONS

FEATURED WALLETS

Owner Adress   0x06a812c8a36111beffe6e3dfeb5815c0eeb1e8d8

DAO Wallet   0xa93203122825c7a100bbaa2c5ffe89b30f1fe36e

Buy-Back Wallet   0xa70bc74913caa4a4c144cd1a26cb92a4cbacc0e2

Lottery Wallet   0x4b632cc09edd338f2126cdd60807a52ca81ed020

Marketing Wallet   0x7d9c878542087fd014af8460c173d6f7d4b43718

Dead Wallet   0x000000000000000000000000000000000000dead

Dividend Tracker   0xd19621bc947d9ff64ba9f787b2f2fce88303fcf9

TOKENOMICS

According to their Whitepaper

BUY TAX: 12%   **SELL TAX: 18%**

INITIAL DISTRIBUTION	LOCK INFORMATION
Liquidity: 50%	1 Year
Games Rewards: 30%	6 Months
Initial Burn: 14%	N/A
Marketing: 3%	No
Airdrop: 3%	No

HOLDERS INFOS

At the time of performing this audit

♀ The top 3 holders collectively own 100.00% (1,000,000,000,000.00 Tokens) of SUPERTRX

♀ Token Total Supply: 1,000,000,000,000.00 Token
Total Token Holders: 1

SUPERTRX Top 3 Token Holders

Source: BscScan.com

OTHER ACCOUNTS
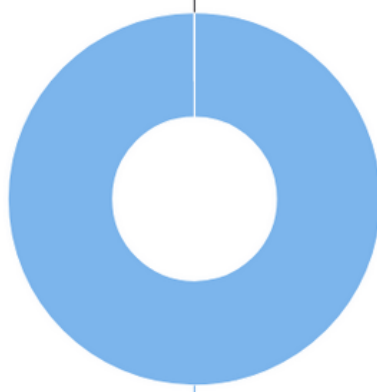
0x06a812c8a36111beffe6e3dfeb5815c0eeb1e8d8

(A total of 1,000,000,000,000.00 tokens held by the top 3 accounts from the total supply of 1,000,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x06a812c8a36111beffe6e3dfeb5815c0eeb1e8d8	1,000,000,000,000	100.0000%

TEAM INFOS

At the time of performing this audit, the SUPERTRX team consists of 6 members, their names and functions are indicated below.

GOSH TRUST has verified the identity of the owner of the SUPERTRX project and 3 members of the SUPERTRX team.

TEAM MEMBERS	FUNCTION	KYC
JASON	Founder & CEO	🟢
ZACHARY	Engineering Leader	🟢
MADISON	Development Leader	🟢
LIAM	Technical Leader	🟢
CHRISTIAN	Marketing Leader	🟡
BEVERLY	Social Media Manager	🟡

AUDITOR VERDICT

AUDIT VERDICT

This audit report was prepared by GOSHTRUST which perfomed a manual line-by-line inspection and automatic analysis of the smart contract.

Our team of blockchain specialists deeply analyzed the smart contract for common vulnerabilities, exploits and manipulation hacks.

According to the smart contract audit:

☑ **SuperTRX has SUCCESSFULLY PASSED   the Smart Contract Audit**

Verify the authenticity of this report on GOSHTRUST GitHub

DISCLAIMER

GOSH TRUST conducted an independent audit to verify the integrity and highlight any vulnerabilities or errors, intentional or not, that may be present in the codes that were provided for the completion of this audit. This audit report does not constitute agreement, acceptance or recommendation for the project being audited, and users relying on this audit report should not consider it financial advice of any form or nature. Audited contracts do not take into account the economic changes that could be initiated by the project mentioned in this report, and that the accuracy of the findings presented in this report relate only to the professionalism, skills and competence of our auditors, which does not give any guarantee or assurance that contracts are completely free of exploits and vulnerabilities.

All information provided in this audit report does not at any time constitute financial or investment advice. It should not be used to induce anyone reading this report to invest their funds in the project without having carried out sufficient personal research, regardless of the results presented in this report. The information in this report is provided "As Is" and GOSH TRUST makes no commitment as to the completeness, accuracy or solidity of the audited codes. Under no circumstances, GOSH TRUST and its partners, employees, agents or any parties related to the production of this audit report, can be held responsible for any part, decisions, actions, and information provided in this audit report.

The assessment and auditing services provided by GOSH TRUST are subject to dependency and under continual development. You agree that your right to access and/or use, including but not limited to all of our services, reports and materials, is at your own risk. Cryptocurrencies/tokens are emerging and constantly evolving technologies that bring with them high levels of technical risk and uncertainty. Audit reports may include false positives or false negatives and other unpredictable results.

ABOUT GOSH TRUST

GOSHTRUST is built by a team of 6 core members including security experts and blockchain engineers working for several years in the cryptocurrency industry.

GOSHTRUST provides blockchain technology solutions and aims to help make the cryptocurrency market secure.

GOSHTRUST is part of GOSH Ecosystem which includes, but not limited to, the following services:

- GOSH TRUST
- GOSH FINDER
- GOSH ALLIANCE
- GOSH DAO
- GOSH ADVENTURES
- GOSH NFT MARKETPLACE

GOSH aims to create a large, efficient, scalable, transparent and secure ecosystem.

IMPORTANT LINKS

GOSH Trust: https://goshtrust.com

GOSH Ecosystem: https://goshecosystem.com

GOSH Finder: https://goshfinder.com

To book an audit or KYC: info@goshtrust.com or https://t.me/goshtrust

GOSH TRUST

THANK YOU