

HEG NINJA AUDITS



Security Assessment

S2 Token

March 19, 2022

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Audit Summary

This report has been prepared for S2 Token on the Binance Smart Chain network. CFGNINJA provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.

Project Overview

Token Summary

Parameter	Result
Address	0xeAA6004484Af3415Eac104e5B3235aBc078F8691
Name	S2
Token Tracker	S2 (S2)
Decimals	9
Supply	1,000,000
Platform	Binance Smart Chain
compiler	v0.8.4+commit.c7e474f2
Contract Name	StandardToken
Optimization	Yes with 200 runs
LicenseType	Unlicense
Language	Solidity
Codebase	https://bscscan.com/ token/0xdd25e1955fd9f7b3abe83cc419070a7ace104dce
Url	https://cfg.ninja

Main Contract Assessed StandardToken

Name	Contract	Live
S2	0xeAA6004484Af3415Eac104e5B3235aBc078F8691	Yes

TestNet Contract Assessed StandardToken

Name	Contract	Live
S2	0x39Da7B170f7105E3a5EDc0fEb7de8f2AbB291C3C	Yes

Solidity Code Provided

SolID	FileNameMD5	FileName
StandardToken-PinkSale	4df81934f148db431f3039240808cc26	StandardToken.sol

Contract Notes:

Auditor Notes: undefined

Project Owner Notes: undefined



Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
Unencrypted Private Data On-Chain	Complete	Complete	 Low / No Risk
Code With No Effects	Complete	Complete	 Low / No Risk
Message call with hardcoded gas amount	Complete	Complete	 Low / No Risk
Hash Collisions With Multiple Variable Length Arguments	Complete	Complete	 Low / No Risk
Unexpected Ether balance	Complete	Complete	 Low / No Risk
Presence of unused variables	Complete	Complete	 Low / No Risk
Right-To-Left-Override control character (U+202E)	Complete	Complete	 Low / No Risk
Typographical Error	Complete	Complete	 Low / No Risk
DoS With Block Gas Limit	Complete	Complete	 Low / No Risk
Arbitrary Jump with Function Type Variable	Complete	Complete	 Low / No Risk
Insufficient Gas Griefing	Complete	Complete	 Low / No Risk
Incorrect Inheritance Order	Complete	Complete	 Low / No Risk
Write to Arbitrary Storage Location	Complete	Complete	 Low / No Risk
Requirement Violation	Complete	Complete	 Low / No Risk
Missing Protection against Signature Replay Attacks	Complete	Complete	 Low / No Risk

Vulnerability	Automatic Scan	Manual Scan	Result
Weak Sources of Randomness from Chain Attributes	Complete	Complete	 Low / No Risk

Mint Check

The Project Owners of S2 does not have a mint function in the contract, owner cannot mint tokens after initial deploy

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The Project has a Total Supply of 1,000,000 and cannot mint any more than the Max Supply.



Owner can't mint new coins



Fees Check

The Project Owners of S2 does not have the ability to set fees higher than 25% .

Team May have fees defined, however they dont have the ability to set those fees higher than 25%.

 Fees can be changed up to a maximum of 25%



MaxTx Check

The Project Onwers of S2 does not has the ability to set max tx amount

The Team allow any investors to swap, transfer or sale their total amount if needed.

Project Has No MaxTX



Pause Trade Check

The Project Owners of S2 Owner can pause trading but he can't move tokens (Owner can't pause trading)

The Team has done a great job to avoid stop trading, and investors has the ability to trade at any given time without any problems

Pause Trade Notes:

Auditor Notes: PinkSaleFactory Contract

Project Owner Notes: Project Owners Ack



Contract Ownership

The contract ownership of S2 is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

The current owner is the address 0x423638220928D6d6B1FeF1b0a64632C4470fbD77 which can be viewed from:
[HERE](#)

The owner wallet has the power to call the functions displayed on the privileged functions chart below, if the owner wallet is compromised this privileges could be exploited.

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

We recommend the team to use a Multisignature Wallet if contract is not going to be renounced, this will give the ability to the team to have more control over the contract.

Liquidity Ownership

The token does not have liquidity at the moment of the audit, block 12833632



KYC Information

The Project Owners of S2 is not KYC.. .

The owner wallet has the power to call the functions displayed on the privileged functions chart below, if the owner wallet is compromised this privileges could be exploited.

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

KYC Information Notes:

Auditor Notes: Pinksale Factory Contract

Project Owner Notes:



Privileged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public

Owner Privilege Notes:

Auditor Notes: undefined

Project Owner Notes:

Important Notes To The Users:

- The following contract is a Pinksale Factory Contract, the token is standard token and dont have taxes defined.
- The team has not provided a KYC Link during the time of assessment and can be found in the Audit.
- No mint function found, owner cannot mint tokens after initial deploy.
- Owner can change fees up to 25%.
- Owner can't set max tx amount.
- Owner can't pause trading.
- No high-risk Exploits/Vulnerabilities Were Found in the Source Code.
- In total transparency the contract has been created by the same Audit Company, this audit has been provided to display a good fait with the customer and their investors.
- We have advised the that an external audit may be beneficial to ensure there are no conflict with the developer and the auditor.

Audit Passed



Social Media Checks

Social Media	URL	Result
Twitter	http://www.twitter.com/cfgninja	Pass
Instagram	https://www.instagram.com/cfgninja	Pass
Website	https://cfg.ninja	Pass
Telegram	https://t.me/cfgninjavip	Pass

We recommend to have 3 or more social media sources including a completed working websites.

Social Media Information Notes:

Auditor Notes: undefined

Project Owner Notes:



Disclaimer

CFGNINJA has conducted an independent audit to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the codes that were provided for the scope of this audit. This audit report does not constitute agreement, acceptance or advocacy for the Project that was audited, and users relying on this audit report should not consider this as having any merit for financial advice in any shape, form or nature. The contracts audited do not account for any economic developments that may be pursued by the Project in question, and that the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are completely free of exploits, bugs, vulnerabilities or depreciation of technologies.

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