

The background is a dark navy blue. It features several abstract geometric elements: a green horizontal bar at the top left with white wavy lines; a blue vertical bar on the left; a blue circle in the top right; a green vertical bar on the right; a purple vertical bar on the bottom left; a teal horizontal bar at the bottom; and a green circular arc on the bottom right. White wavy lines also appear in the bottom right corner.

# KISHIELD

Security Audit

**Craftymetaverse Token**

January 22, 2022



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# Audit Summary

This report has been prepared for Craftymetaverse Token on the Binance Smart Chain network. KISHIELD 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:

- Ensuring contract logic meets the specifications and intentions of the client without exposing the user's funds to risk.
- 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.
- Thorough line-by-line manual review of the entire codebase by industry experts.

# Project Overview

## Token Summary

Parameter	Result
Address	0x5CD47AACCA739695cB6722C267FB59Dc63148eAc
Name	Craftymetaverse
Token Tracker	Craftymetaverse (CMETA)
Decimals	18
Supply	1,000,000,000
Platform	Binance Smart Chain
compiler	v0.8.10+commit.fc410830
Optimization	Yes with 200 runs
LicenseType	None
Language	Solidity
Codebase	<a href="https://bscscan.com/address/0x5CD47AACCA739695cB6722C267FB59Dc63148eAc#code">https://bscscan.com/address/0x5CD47AACCA739695cB6722C267FB59Dc63148eAc#code</a>
Url	<a href="https://app.craftymetaverse.com/">https://app.craftymetaverse.com/</a>

## Main Contract Assessed

Name	Contract	Live
Craftymetaverse	0x5CD47AACCA739695cB6722C267FB59Dc63148eAc	Yes

# 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
Weak Sources of Randomness from Chain Attributes	Complete	Complete	✓ Low / No Risk

Vulnerability	Automatic Scan	Manual Scan	Result
Authorization through tx.origin	Complete	Complete	✓ Low / No Risk
Delegatecall to Untrusted Callee	Complete	Complete	✓ Low / No Risk
Use of Deprecated Solidity Functions	Complete	Complete	✓ Low / No Risk
Assert Violation	Complete	Complete	✓ Low / No Risk
Reentrancy	Complete	Complete	✓ Low / No Risk
Unprotected SELFDESTRUCT Instruction	Complete	Complete	✓ Low / No Risk
Unprotected Ether Withdrawal	Complete	Complete	✓ Low / No Risk
Unchecked Call Return Value	Complete	Complete	✓ Low / No Risk
Outdated Compiler Version	Complete	Complete	✓ Low / No Risk
Integer Overflow and Underflow	Complete	Complete	✓ Low / No Risk
Function Default Visibility	Complete	Complete	✓ Low / No Risk

## Contract Ownership

The contract ownership of Craftymetaverse 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.

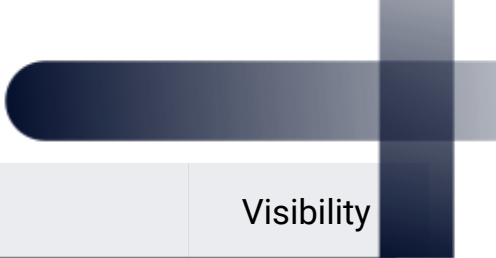
The current owner is the address 0xc976807e1198147C64b68822A1E1AEA4B3E4DE75 which can be viewed from: [HERE](#)

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.

## Privileged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public
_pause	none	internal
_unpause	none	internal
triggerTax	none	public
pause	none	public
unpause	none	public
burn	uint256 amount	public
enableBlacklist	address account	public
disableBlacklist	address account	public
exclude	address account	public
removeExclude	address account	public
setBuyTax	uint256 dev, uint256 marketing, uint256 liquidity, uint256 charity	public
setSellTax	uint256 dev, uint256 marketing, uint256 liquidity, uint256 charity	public
setTaxWallets	address dev, address marketing, address charity	public
enableTax	none	public



Function Name	Parameters	Visibility
disableTax	none	public

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## Important Notes To The Users:

- Owner can pause the contract.
- Owner can set the buy tax to 100%.



# Statistics

## Liquidity Info

Parameter	Result
Pair Address	0xda6D8eeEBFC542717CDfE1169A05Fb9DAe1CA179
CMETA Reserves	352048987.89 CMETA
BNB Reserves	48.81 BNB
Liquidity Value	\$17,605.767 USD

## Token (CMETA) Holders Info

Parameter	Result
CMETA Percentage Burnt	0.00%
CMETA Amount Burnt	0 CMETA
Top 10 Percentage Own	75.13%
Top 10 Amount Owned	751,285,551.545 CMETA
Top 10 Aprox Value	\$37,571.357 USD

## LP (CMETA/BNB) Holders Info

Parameter	Result
CMETA/BNB % Burnt	0.00%
CMETA/BNB Amount Burnt	0 CMETA
Top 10 Percentage Owned	100.00%
Top 10 Amount Owned	130,403.604 CMETA
Locked Tokens Percentage	99.40%
Locked Tokens Amount	129,614.814 CMETA

\* All the data displayed above was taken on-chain at block 14592228

\* The tokens on industry-standard burn wallets are not included on the top 10 wallets calculations

## Liquidity Ownership

Most of the liquidity is currently locked, the lock can be seen here:

[https://bscscan.com/  
token/0xda6D8eeEBFC542717CDfE1169A05Fb9DAe1CA179?  
a=0x0c89c0407775dd89b12918b9c0aa42bf96518820](https://bscscan.com/token/0xda6D8eeEBFC542717CDfE1169A05Fb9DAe1CA179?a=0x0c89c0407775dd89b12918b9c0aa42bf96518820)

# KISHIELD



## Disclaimer

KISHIELD 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 deprecation of technologies.

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