



KISHIELD

Security Audit

CHADMETA Token

April 3, 2022



Table of Contents

1 Audit Summary

2 Project Overview

2.1 Token Summary

2.2 Main Contract Assessed

3 Smart Contract Vulnerability Checks

4 Contract Ownership

4.1 Privileged Functions

5 Important Notes To The Users

6 Findings Summary

6.1 Classification of Issues

6.1 Findings Table

01 Variables could be declared as constant

02 Public function that could be declared external

7 Statistics

7.1 Liquidity

7.2 Token Holders

7.3 Liquidity Holders

8 Liquidity Ownership

9 Disclaimer



Audit Summary

This report has been prepared for CHADMETA Token on the Binance 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	0x992b6a3551770656889dd06d9bf3969d3f3fc089
Name	CHADMETA
Token Tracker	CHADMETA (CHADMETA)
Decimals	18
Supply	1,000,000,000
Platform	Binance Chain
compiler	v0.8.4+commit.c7e474f2
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://bscscan.com/ address/0x992b6a3551770656889dd06d9bf3969d3f3fc089
Url	https://www.chadtv.xyz

Main Contract Assessed

Name	Contract	Live
CHADMETA	0x992b6a3551770656889dd06d9bf3969d3f3fc089	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 CHADMETA 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 0xb242399d141467b366e8CEffD019A29935DD9Feb 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.

Important Notes To The Users:

- The owner cannot mint tokens after initial deployment.
- The transfer function is implemented correctly.
- The owner cannot stop Trading.
- The owner cannot change the max tx amount.
- Owner cannot set the fees over 25%
- Once the owner renounces ownership of the contract, none of the following are applicable.
- Owner can update ClaimWait but is restricted between 1 and 24 hours.
- Owner can update MinimumTokenBalanceForDividends with no restrictions.
- Owner can add/remove wallets from Dividends and fees.
- No high-risk Exploits/Vulnerabilities Were Found in token Source Code.

Audit Passed



Findings Summary

Classification of Issues

All Issues Found are Informational

Severity	Description
● High	Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, or impairment of the contract and its functions. Issues under this classification are recommended to be fixed with utmost urgency
● Medium	Bugs or issues with that may be subject to exploit, though their impact is somewhat limited. Issues under this classification are recommended to be fixed as soon as possible.
● Low	Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.
● Info	Consistency, syntax or style best practices. Generally pose a negligible level of risk, if any.

Findings

Severity	Found
● High	0
● Medium	0
● Low	0
● Info	2
Total	2

Findings

Variables could be declared as constant

ID	Severity	Contract	Function
01	● Informational	CHADMETA	variables name, symbol, decimals

Description

Gas Optimization. Variables that are never changed could be declared as constant.

Recommendation

We recommend declaring those variables as constant.

Public function that could be declared external

ID	Severity	Contract	Function
02	● Informational	CHADMETA	Function excludeMultipleAccountsFromFees()

Description

Gas Optimization. Public function that could be declared external

Recommendation

Public functions that are never called by the contract should be declared external to save gas.

Privileged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public
__Context_init	none	internal
__Context_init_unchained	none	internal
__ERC20_init	none	internal
__ERC20_init_unchained	none	internal
__Ownable_init	none	internal
__Ownable_init_unchained	none	internal
renounceOwnership	none	public
transferOwnership	address newOwner	public
__DividendPayingToken_init	none	internal
distributeCAKEDividends	uint256 amount	public
initialize	none	external
excludeFromDividends	address account	external
updateClaimWait	uint256 newClaimWait	external
updateMinimumTokenBalanceForDividends	uint256 amount	external
setBalance	address account, uint256 newBalance	external



Function Name	Parameters	Visibility
processAccount	address account, bool automatic	public
setSwapTokensAtAmount	uint256 amount	external
updateDividendTracker	address newAddress	public
updateUniswapV2Router	address newAddress	public
excludeFromFees	address account, bool excluded	public
excludeMultipleAccountsFromFees	calldata accounts, bool excluded	public
setMarketingWallet	address wallet	external
setTokenRewardsFee	uint256 value	external
setLiquiditFee	uint256 value	external
setMarketingFee	uint256 value	external
setAutomatedMarketMakerPair	address pair, bool value	public
updateGasForProcessing	uint256 newValue	public
updateClaimWait	uint256 claimWait	external
updateMinimumTokenBalanceForDividends	uint256 amount	external
excludeFromDividends	address account	external



Statistics

Liquidity Info

Parameter	Result
Pair Address	0xbF9B16bD9d3378889FE2e2D5F7E3111bF33c6008
CHADMETA Reserves	0.00 CHADMETA
BNB Reserves	0.00 BNB
Liquidity Value	\$0 USD

Token (CHADMETA) Holders Info

Parameter	Result
CHADMETA Percentage Burnt	0.00%
CHADMETA Amount Burnt	0 CHADMETA
Top 10 Percentage Own	100.00%
Top 10 Amount Owned	1,000,000,000 CHADMETA
Top 10 Aprox Value	\$NaN USD

LP (CHADMETA/BNB) Holders Info

Parameter	Result
CHADMETA/BNB % Burnt	0.00%
CHADMETA/BNB Amount Burnt	0 CHADMETA
Top 10 Percentage Owned	0.00%
Top 10 Amount Owned	0 CHADMETA
Locked Tokens Percentage	0.00%
Locked Tokens Amount	0 CHADMETA

* All the data displayed above was taken on-chain at block 16634104

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

Liquidity Ownership

The token does not have liquidity at the moment of the audit, block 16634104

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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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