

# KISHIELD

Security Audit

**CET Token**

May 25, 2022



Audit Passed



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# Audit Summary

This report has been prepared for CET 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	0x31cA669B3F811E554a5820630c79715e3D4449FF
Name	CET
Token Tracker	CET (CET)
Decimals	18
Supply	100,000,000
Platform	Binance Chain
compiler	v0.8.8+commit.dddeac2f
Optimization	Yes with 200 runs
LicenseType	Unlicense
Language	Solidity
Codebase	<a href="https://bscscan.com/address/0x31cA669B3F811E554a5820630c79715e3D4449FF#code">https://bscscan.com/address/0x31cA669B3F811E554a5820630c79715e3D4449FF#code</a>
Url	<a href="https://www.cakeeatertoken.com/">https://www.cakeeatertoken.com/</a>

## Main Contract Assessed

Name	Contract	Live
CET	0x31cA669B3F811E554a5820630c79715e3D4449FF	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 CET 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 0x8B570407C0A19F849cD6E750aedceEfbB56748da 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 stop trading.
- The owner cannot blacklist wallets.
- On sells there is an increase of tax based on the fees, this new tax cannot be higher than 20%.
- Once the owner renounces ownership of the contract, none of the following are applicable.
- Owner can enable trading but cannot pause or disable it.
- Owner can change the maxSellTransactionAmount but it cannot be less than 10,000 tokens.
- Owner can change the sellFeeIncreaseFactor up to 200, max sell tax is 20% ( $10 \times 200 / 100$ ).
- Owner can change the maxWalletBalance with no constrains.
- Owner can change and configure the dividendTracker with no constrains.
- Owner can enable/disable the SwapAndLiquify mechanism and the BusdDividend mechanism.
- Owner can add/remove wallets from fee exemption and dividends.
- Owner can change the claimWait for dividends between 1 hour and 24 hours.
- Owner can change the minimum token balance needed to get dividends.
- No high-risk Exploits/Vulnerabilities Were Found in token Source Code.

**Audit Passed**



# Technical Findings Summary

## Classification of Issues

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

## Public function that could be declared external

ID	Severity	Contract	Function
01	Informational	CET	Functions: size, getKeyAtIndex, getIndexOfKey

### 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.

## Missing events arithmetic

ID	Severity	Contract	Function
02	Informational	CET	Missing events for setWalletBalance, setMaxBuyTransaction, setMaxSellTransaction, setSwapTokensAtAmount, setSellTransactionMultiplier

### Description

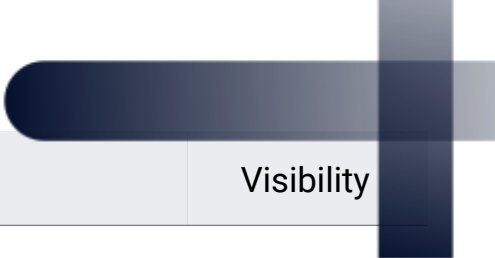
Functions that change critical arithmetic parameters should emit an event.

### Recommendation

Emit corresponding events for critical parameter changes.

## Privileged Functions (onlyOwner & Others)

Function Name	Parameters	Visibility
renounceOwnership	none	external
transferOwnership	address newOwner	public
prepareForPartherOrExchangeListing	address _partnerOrExchangeAddress	external
setWalletBalance	uint256 _maxWalletBalance	external
setMaxBuyTransaction	uint256 _maxTxn	external
setMaxSellTransaction	uint256 _maxTxn	external
updateBusdDividendToken	address _newContract	external
updateMarketingWallet	address _newWallet	external
setSwapTokensAtAmount	uint256 _swapAmount	external
setSellTransactionMultiplier	uint256 _multiplier	external
setTradingIsEnabled	none	external
setBusdDividendEnabled	bool _enabled	external
setMarketingEnabled	bool _enabled	external
setSwapAndLiquifyEnabled	bool _enabled	external
updatebusdDividendTracker	address newAddress	external
updateUniswapV2Router	address newAddress	external
excludeFromFees	address account, bool excluded	public



Function Name	Parameters	Visibility
excludeFromDividend	address account	public
setAutomatedMarketMakerPair	address pair, bool value	external
updateGasForProcessing	uint256 newValue	external
updateMinimumBalanceForDividends	uint256 newMinimumBalance	external
updateClaimWait	uint256 claimWait	external
processDividendTracker	uint256 gas	external

# Statistics

## Liquidity Info

Parameter	Result
Pair Address	0xf6cCFeDDfd22CE57252B83EeC8C386e210314FBC
CET Reserves	0.00 CET
BNB Reserves	0.00 BNB
Liquidity Value	\$0 USD

## Token (CET) Holders Info

Parameter	Result
CET Percentage Burnt	0.00%
CET Amount Burnt	0 CET
Top 10 Percentage Own	100.00%
Top 10 Amount Owned	100,000,000 CET
Top 10 Aprox Value	\$NaN USD

## LP (CET/BNB) Holders Info

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

\* All the data displayed above was taken on-chain at block 18115557

\* 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 18115557

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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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