



# SMART CONTRACT SECURITY AUDIT

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WATCHTOWER

# DISCLAIMER

Watchtower has completed this report to provide a summary of the Smart Contract functions, and any security, dependency or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as at the date of this report. In order to understand the full scope of our analysis, it is vital for you to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against Watchtower or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your own independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

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## ABOUT THE AUDITOR:

Watchtower is an Anti-Scam Token Utility which reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity.

Watchtowers Development Team consists of a number of Smart Contract creators, Auditors Developers and Blockchain experts.

Watchtowers Website Scanner reviews a number of Risk factors to provide an adequate Risk summary of token projects.

In Addition to this the team also helps with Creation of Smart Contracts for legitimate projects, Audits and Promotion.





# OVERVIEW

**Watchtower was commissioned by CN People to complete a Smart Contract audit.**

**The objective of the Audit is to achieve the following:**

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

**DISCLAIMER:** This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, All investments are made at your own risk.

(<https://www.cryptowatchtower.io/>)



# SMART CONTRACT REVIEW



Contract Created on the 12th December 2021

Solidity compiler v0.6.12



# Project Overview



## Project Details: (Website: <https://cnpp.vip>)

Looks to be a Charity project to help the less fortunate.

The contract contains rewards, liquidity and marketing however the Rewards and Liquidity portions are considerably low for this type of token.

## Tokenomics:

Supply: 200,000,000 (50 Million)

### 8% Tax for Buys and Sells comprising of:

- 6% Marketing
- 1% Rewards
- 1% Liquidity

## Team Review:

Watchtower reviewed a number of factors including the teams background and Cryptocurrency experience, social media interaction and availability, project momentum, token risks and community trust score.

The team have an understanding of cryptocurrency however have forked a contract with a number of errors.

The social media presence is also lacking and should be increased to maintain buying pressure.

## TEAM DOXXED/KYC:

Watchtower is not aware of the team being Doxxed.



# CONTRACT FUNCTIONS DETAILS

## Functions (Public)

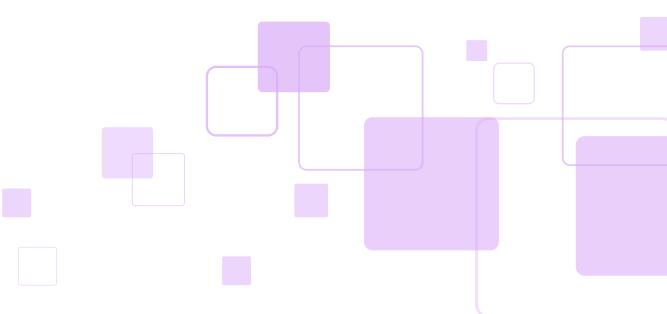
This contract has 33 available public functions which the owner can call. They can be viewed on BSC Scan.

### LINK:

<https://bscscan.com/address/0x59262d794262Af0FD78437DaC5263463b38FA9ff#writeContract>

### Function risks:

-No scam functions identified.



# Contract Stress Test

## Imported Libraries / Interfaces

- Context
- Ownable
- IERC20
- IERC20 Metadata
- DividendPayingTokenOptionalInterface
- DividendPayingTokenInterface
- SafeMathInt
- SafeMathUint
- SafeMath
- ERC20
- DividendPayingToken (<https://github.com/roger-wu>) + edits
- IterableMapping
- IUniswapV2Router
- IUniswapV2Factory
- IUniswapV2Pair

## Overview

|  |    |
|--|----|
| 1. ADDITION OF COMMENTS:                                 | 6  |
| 2. CALL STACK DEPTH ATTACK:                              | 10 |
| 3. TIME STAMP DEPENDENCY:                                | 10 |
| 4. PARTY MULTISIG BUG:                                   | 10 |
| 5. USE OF LIBRARIES/DEPENDENCIES (FROM TRUSTED SOURCES): | 10 |
| a. TRANSACTION-ORDERING DEPENDENCY:                      | 6  |
| 6. ACCESS CONTROL AND AUTHORIZATION:                     | 10 |
| 7. REENTRANCY ATTACKS:                                   | 7  |
| 8. ERC/BEP STANDARD VIOLATIONS:                          | 10 |
| 9. USAGE OF VISIBILITY LEVELS:                           | 6  |
|  | 10 |



# ISSUES CHECKING STATUS



| Issue description  | Checking status |
|--|-----------------|
| 1. Compiler errors.  | Passed          |
| 2. Race conditions and Reentrancy. Cross-function race conditions. | Passed          |
| 3. Possible delays in data delivery.                               | Passed          |
| 4. Oracle calls.   | Passed          |
| 5. Front running.  | Passed          |
| 6. Timestamp dependence.   | Passed          |
| 7. Integer Overflow and Underflow.                                 | Passed          |
| 8. DoS with Revert.  | Passed          |
| 9. DoS with block gas limit.                                       | Passed          |
| 10. Methods execution permissions.                                 | Passed          |



| Issue description  | Checking status |
|--|-----------------|
| 11. Economy model of the contract.                         | Passed          |
| 12. The impact of the exchange rate on the logic.          | Passed          |
| 13. Private user data leaks.                               | Passed          |
| 14. Malicious Event log.                                   | Passed          |
| 15. Scoping and Declarations.                              | Passed          |
| 16. Uninitialized storage pointers.                        | Passed          |
| 17. Arithmetic accuracy.                                   | Passed          |
| 18. Design Logic.  | Passed          |
| 19. Cross-function race conditions.                        | Passed          |
| 20. Safe Open Zeppelin contracts implementation and usage. | Passed          |
| 21. Fallback function security.                            | Passed          |



# SECURITY ISSUES



## High Severity Issues:

Nil



## Medium Severity Issues:

Centralization Risk:

The Owner can set fees to 100% blocking all the transfers.

- **Wrong Code:** If marketingFee or liquidityFee is set to 0, the contract won't be able to swap and no transfer/sell can occur
- **Wrong Code:** In `_transfer()` , the value sellTokens represent the tokens that get swapped for rewards but it is equal to the whole remaining balance.  
**Instead it should be:** `uint256 sellTokens = contractTokenBalance.mul(USDCRewardsFee).div(totalFees);`



## Low Severity Issues:

- **checkAdd() is never called**
- **Typo Error** —> The contracts distributes USDC but it mentions CAKE
- **TypoError** —> Some require statements mention FUCKBABY instead of CN People



# CONCLUSION



**Watchtower reviewed the CN People deployed and verified contract to conduct this audit.**

**Watchtower is satisfied that the contract is void of any malicious coding however there are a number of items listed which should be factored in.**

## ***Watchtower Disclaimer:***

*Please check the disclaimer page and note, this Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or in any way provide financial advice, please do your own research. By reading this report you accept and agree to the disclaimer and understand investments are made at your own risk.*

*(<https://www.cryptowatchtower.io/>)*

## **Contact Us**

 @Watchtower\_WTW

 Watchtower-WTW

 Watchtowercrypto

