



# SMART CONTRACT SECURITY AUDIT

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WATCHTOWER

# AUDIT DETAILS



## Project Name

AerDrop



## Contract address

0xc7ad2ce38f208eed77a368613c62062fce88f125



## Deployer Address:

0x6e0d7933d3dFB019777beFda09eB065D5d79a49e



## Blockchain

Binance Smart Chain



## Project website:

<https://www.aerdrop.finance/>



# 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 AerDrop 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 08.20.2021

Contract name	AerDrop
Contract address	0xc7Ad2CE38f208eED77a368613C62062fCE88f125
Total supply	1,000,000,000
Token ticker	AER
Decimals	9
Token holders	7597
Transactions count	44192
Top 5 holders dominance	16.97% includes 5% Marketing Wallet
Tax fee	10%
Total fees	11% ~ BUY / SELL
Contract deployer address	0x6e0d7933d3dFB019777beFda09eB065D5d79a49e
Contract's current owner address	0xD142451667e18a852d7081e44b39C2458dbb5063



# AerDrop Overview

## Project Details:

AerDrop (AER) Is an innovative rewards token that offers a Partnerships' and Airdrop services for Token projects. AerDrop Holders receive reflections of the native token as well as the partnered 3rd party tokens as rewards.

The service allows projects to Airdrop tokens and increase their holders and exposure to their projects in a genuine manner.

## Tokenomics:

Starting Supply: 1,000,000,000 (1 Billion)

6% AER Reflections to Holders

4% Auto Liquidity

1% Marketing

## 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 AerDrop Team has conveyed sound Cryptocurrency knowledge, Technical Blockchain and Web development skills.

A number of Team members are doxxed which provides confidence in the project.

The team are active on social media and readily respond to their community.

Over 25 Projects have utilised the AerDrop technology and they seem to be generating more momentum as their exposure increases.

Watchtower is satisfied that their intentions are genuine.



# CONTRACT FUNCTIONS DETAILS

## FUNCTIONS (PUBLIC)

1. Change Marketing Address
2. Approve
3. Decrease allowance
4. Exclude from fees
5. Exclude from Rewards
6. Include in fees
7. Include in Rewards
8. Increase Allowance
9. Lock
10. Renounce ownership
11. Update Liquidity Fee
12. Update Router
13. Set Swap and Liquify Enabled
14. Set Tax Fee Percent
15. Set Wallet Fee Percent
16. Set Token 2 LP
17. Transfer to
18. Transfer from
19. Transfer Ownership
20. Unlock



## Functions Risk

Upon review of Smart Contract Coding and Functions, Watchtower is satisfied that no malicious coding has been found.

### Note:

The Contract Functions allow the contract owner to increase fees.

The team has provided transparency by allowing the set fees to be viewed on BSC Scan.

In addition to this the team has Locked a high percentage of the Liquidity Pool tokens and the dev team hold a small balance minus the Marketing and remediation wallet.



## Imported Libraries / Interfaces

- IBEP20
- SafeMath
- Context
- Address
- Ownable
- IUniswapV2Factory
- IUniswapV2Pair
- IUniswapV2Router01
- IUniswapV2Router02

## Overview

1. ADDITION OF COMMENTS:	10
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:	10
6. ACCESS CONTROL AND AUTHORIZATION:	10
7. REENTRANCY ATTACKS:	10
8. ERC/BEP STANDARD VIOLATIONS:	10
9. USAGE OF VISIBILITY LEVELS:	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

No High Severity Issues found.



## Medium Severity Issues

No Medium Severity Issues found.



## Low Severity Issues

No Low Severity Issues found



# CONCLUSION

Watchtower reviewed AerDrops deployed and verified contract to conduct this audit.

Watchtower is satisfied that the contract has no malicious coding and the team has genuine intentions with the use of the Smart Contract Functions.

## **Watchtower Disclaimer:**

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

## **Contact Us**

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