SMART CONTRACT SECURITY AUDIT

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 it's 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 MemeNFT 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 29th November 2021   **Solidity compiler v0.8.7**

Contract name	MemeNFT
Contract address	0x0bcbc5c3506fc10c30daf6fad17866e504ceea33
Total supply	10,000,000,000,000
Token ticker	MNFT
Decimals	9
Token holders	1
Transactions count	1
Top 5 holders dominance	Not Launched
Tax fee	16%
Total fees	16% ~ BUY / 16% ~ SELL
Contract deployer address	0xe5bd0df3e741212bc1ae2ce118c21592aac55375
Contract's current owner address	0xe5bd0df3e741212bc1ae2ce118c21592aac55375

Project Overview

Project Details: (Website: https://memenft.io

Tokenomics:
Supply: 10,000,000,000,000 (10 Trillion)
16% Tax for Buys and Sells comprising of:
- 8% Liquidity
- 3% Treasury
- 4% Vault
- 1% Burn

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 MemeNFT team have a good understanding of Cryptocurrency.

TEAM DOXXED/KYC:
Watchtower is not aware of the team being Doxxed.

CONTRACT FUNCTIONS DETAILS
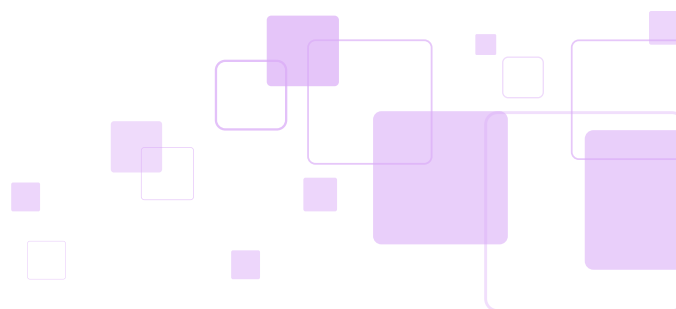
Functions (Public)

This contract has 21 available public functions which the owner can call.
They can be viewed on BSC Scan.

LINK:

https://bscscan.com/token/0x0bcbc5c3506fc10c30daf6fad17866e504ceea33#writeContract

Function risks:

-No scam functions identified.

Contract Stress Test

Imported Libraries / Interfaces

- Context
- IERC20
- Ownable
- SafeMath
- Address
- IPancakePair
- IPancakeRouter01
- ipancakeRouter02
- IPancakeFactory

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):   7
   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
Nil

Medium Severity Issues

- unlock() function can be used to take back ownership after being renounced, if lock() was previously called.
- Owner can set fees to 100% blocking all trades
- LP - tokens generated by liquidity fee are not locked. The owner could use them to remove liquidity.

Low Severity Issues

- **Gas Efficiency:**

The token has been made following a reflection token pattern, but there is no trace of reflection. This represents a waste of gas. It is highly recommended to use ERC20 Standard from OpenZeppelin

CONCLUSION

Watchtower reviewed the MemeNFT deployed and verified contract to conduct this audit.
Watchtower is satisfied that the contract is void of any malicious coding and that the team are operating with integrity, however the smart contract type is not recommended for this type of project.

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.
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