



# 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 MiniBTC 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/>)

**MiniBTC RUG RISK SCORE AVAILABLE ON OUR WEBSITE**

<https://cryptowatchtower.io/tokens/scan/0x3bc72eff96752c2f66c7de855f97c23ec4a1ac01/>



# SMART CONTRACT REVIEW



## Contract Created on the 2nd November 2021

Contract name	MiniBTC
Contract address	0x3bC72EFf96752C2f66c7dE855f97C23eC4A1aC01
Total supply	21,000,000,000,000
Token ticker	MINIBTC
Decimals	9
Token holders	39
Transactions count	43
Top 5 holders dominance	13.7% Burn Adjusted
Tax fee	10%
Total fees	10% ~ BUY / SELL
Contract deployer address	0x384695239a0A957674F2C7694c0a683C9C1A86f8
Contract's current owner address	0x8A1b7E7b50B8d68A3171eF5E7fee691DA01d9485



# Project Overview

## Project Details: (Website: <https://minibtc.org>)

MiniBTC is a Charity Rewards token.

(From Project Website): Our goal is to give a second chance to those people who did not have time to buy bitcoin in 2009-2013. We also want and will help orphans, children with disabilities and health problems. Children are our future and we, like no one else, know and understand this, because each member of our team is a father or mother. That is why we decided to create a coin like MiniBTC. As an example, we took bitcoin and divided it into MiniBTC along the chain using smart contracts. 1 bitcoin made 1 million MiniBTC. MiniBTC has faster speeds, lower fees, and is more eco friendly and much more convenient in the DeFi sector.

## Tokenomics:

Starting Supply: 21,000,000,000,000 (21 Trillion)

10% Tax for Buys and Sells comprising of:

1% Charity Fee

4% Liquidity

5% Reflections to holders.

## 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 conveyed sound Cryptocurrency knowledge and seeking to create a Charity token which does not require a sophisticated development team.

At the time of Audit the project has approximately 2000 Telegram followers which is active. The sentiment of the followers is good and the project successfully filled their 120 BNB Pre-sale on the Pinksale Finance Launchpad

PRE-SALE ADDRESS:

<https://www.pinksale.finance/#/launchpad/0xA80fD763946BDbE9BC2907ECcFabfba39C2200FD?chain=BSC>



# CONTRACT FUNCTIONS DETAILS

## Functions (Public)

This contract has 19 available public functions which the owner can call. These functions were identified to be safe and can be viewed on BSC Scan or through a DAPP.

**LINK:**

<https://bscscan.com/token/0x3bc72eff96752c2f66c7de855f97c23ec4a1ac01#writeContract>

**Function risks:**

- No Scam Functions Identified!
- Tax fees can be increased to high levels making it harder to sell, which is quite normal with Rewards/Reflection contracts but should still be noted.



# Contract Stress Test

## Imported Libraries / Interfaces

- IERC20Upgradeable
- AddressUpgradeable
- Initializable
- ContextUpgradeable
- OwnableUpgradeable
- SafeMath
- IPinkAntiBot
- IAntiBotStandardERC20

## 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

Nil



## Medium Severity Issues

Nil



## Low Severity Issues

Nil



# CONCLUSION

Watchtower reviewed MINIBTCs' deployed and verified contract to conduct this audit.

Watchtower is satisfied that the contract has no malicious coding and that no severe issues have been found.

The team is using Pinksale Finance to launch their token and pre-sale. Pinksale have been verified to focus on Safe launches with Anti-sniper functions and token distribution criteria.

## **Watchtower Disclaimer:**

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

## Contact Us

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