



DEFENCERT
BLOCKCHAIN SECURITY

Tether Shiba

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Smart Contract Audit Report

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The audit report has made all reasonable attempts to provide clear and articulate recommendations to the Project team with respect to the rectification, amendment, and/or revision of any highlighted issues, vulnerabilities, or exploits within the contracts provided. It is the sole responsibility of the Project team to sufficiently test and performs checks, ensuring that the contracts are functioning as intended, specifically that the functions therein contained within said contracts have the desired intended effects, functionalities, and outcomes of the Project team.

1. Overview

This report has been prepared for Tether Shiba on the Binance Smart Chain network. Defencert provides a user-centered examination of the smart contracts to look for vulnerabilities, logic errors, or other issues from both an internal and external perspective.

1.1 Summary

Project Name	Tether Shiba
URL	tethershiba.app
Platform	Binance Smart Chain
Language	Solidity

Contracts Assessed

Name	Contract	Live Code Match
TetherShiba	0xBcafeD06C2bf78abc508D48A9339Bc97e18689dB	Yes

1.2 Findings Summary

Severity	Found
High	0
Medium	0
Low	19
Informational	0
Total	19

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.
Informational	Consistency, syntax or style best practices. Generally, pose a negligible level of risk, if any.

1.3 TetherShiba

ID	Severity	Summary
01	Low	A floating pragma is set.
02	Low	State variable visibility is not set.
03	Low	State variable visibility is not set.
04	Low	State variable visibility is not set.
05	Low	State variable visibility is not set.
06	Low	State variable visibility is not set.
07	Low	State variable visibility is not set.
08	Low	State variable visibility is not set.
09	Low	State variable visibility is not set.
10	Low	State variable visibility is not set.
11	Low	State variable visibility is not set.
12	Low	State variable visibility is not set.
13	Low	State variable visibility is not set.
14	Low	State variable visibility is not set.
15	Low	State variable visibility is not set.
16	Low	State variable visibility is not set.

17	Low	State variable visibility is not set.
18	Low	State variable visibility is not set.
19	Low	State variable visibility is not set.

2 Findings

2.1 TetherShiba

Tether Shiba (TSHIB) is a BEP20 Token in Binance Smart Chain Mainnet. Token is implemented as BEP20 smart contract. This token has a 15% of transaction tax which consist of 12% reflection, 1% liquidity and 2% marketing fee.

2.1.1 Token Overview

Address	0xBcafeD06C2bf78abc508D48A9339Bc97e18689dB
Token Supply	1,000,000,000
Decimal	18
Transfer Max Size	1,000,000,000
Transfer Min Size	-
Transfer Fees	15%

2.1.2 Privileged Roles

The following functions can be called by the OWNER of the contract:

- a) Set and Remove Authorized
- b) Transfer and Renounce Ownership
- c) Enable and Manage Blacklist
- d) Change Trading Status

The following functions can be called by the AUTHORIZER of the contract:

- a) Change Transaction Limit
- b) Change Wallet Limit
- c) Change Restricted Whales
- d) Change Fee Exempt

- e) Change Tax Limit Exempt
- f) Change Dividend Exempt
- g) Change Fees
- h) Change Fee Receiver
- i) Change Swap Back Settings
- j) Change Distribution Criteria
- k) Change Distributor Settings
- l) Set Reward Token

2.1.3 Issues & Recommendations

Issue #01	A floating pragma is set.
Severity	Low
Line	7
Description	The current pragma Solidity directive is <code>^0.7.6</code> . It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Issue #02	State variable visibility is not set.
Severity	Low
Line	86
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for <code>_token</code> is internal. Other possible visibility settings are public and private.

Issue #03	State variable visibility is not set.
Severity	Low
Line	94
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for <code>router</code> is internal. Other possible visibility settings are public and private.

Issue #04	State variable visibility is not set.
Severity	Low
Line	95
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for <code>routerAddress</code> is internal. Other possible visibility settings are public and private.

Issue #05	State variable visibility is not set.
Severity	Low
Line	96
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for <code>RewardToken</code> is internal. Other possible visibility settings are public and private.

Issue #06	State variable visibility is not set.
Severity	Low
Line	98
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "shareholders" is internal. Other possible visibility settings are public and private.

Issue #07	State variable visibility is not set.
Severity	Low
Line	99
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "shareholderIndexes" is internal. Other possible visibility settings are public and private.

Issue #08	State variable visibility is not set.
Severity	Low
Line	100
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "shareholderClaims" is internal. Other possible visibility settings are public and private.

Issue #09	State variable visibility is not set.
Severity	Low
Line	112
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "currentIndex" is internal. Other possible visibility settings are public and private.

Issue #10	State variable visibility is not set.
Severity	Low
Line	114
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "initialized" is internal. Other possible visibility settings are public and private.

Issue #11	State variable visibility is not set.
Severity	Low
Line	114
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "DEAD" is internal. Other possible visibility settings are public and private.

Issue #12	State variable visibility is not set.
Severity	Low
Line	114
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "ZERO" is internal. Other possible visibility settings are public and private.

Issue #13	State variable visibility is not set.
Severity	Low
Line	328
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "routerAddress" is internal. Other possible visibility settings are public and private.

Issue #14	State variable visibility is not set.
Severity	Low
Line	329
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "RewardToken" is internal. Other possible visibility settings are public and private.

Issue #15	State variable visibility is not set.
Severity	Low
Line	331
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "_totalSupply" is internal. Other possible visibility settings are public and private.

Issue #16	State variable visibility is not set.
Severity	Low
Line	337
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "_balances" is internal. Other possible visibility settings are public and private.

Issue #17	State variable visibility is not set.
Severity	Low
Line	338
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "_allowances" is internal. Other possible visibility settings are public and private.

Issue #18	State variable visibility is not set.
Severity	Low
Line	363
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "distributorGas" is internal. Other possible visibility settings are public and private.

Issue #19	State variable visibility is not set.
Severity	Low
Line	365
Description	It is best practice to set the visibility of state variables explicitly. The default visibility for "isSwapAndLiquidify" is internal. Other possible visibility settings are public and private.

