



**DesuFi**  
BLOCKCHAIN SERVICES

# Smart Contract Audit

*RatBoy*

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September 1<sup>st</sup>, 2022

# Disclaimer

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# Overview

`RatBoy` is a token launched on the BNB Smart Chain. The objective of this report is to analyze RatBoy smart contract features and disclose potential vulnerabilities and risks.

<b>Name</b>	RatBoy
<b>Website</b>	<a href="https://ratboybsc.com">https://ratboybsc.com</a>
<b>Token Name</b>	RatBoy BSC
<b>Token Ticker</b>	\$WENTXN
<b>Blockchain</b>	BSC
<b>Address</b>	0xAf98e6c2D3b520F4e9b3D7ea22ad7AeFFFDbc2fd

# Contract Issues

Compiler errors	Passed
Oracle calls	Passed
Emit function fidelity	Passed
Timestamp dependence	Passed
DoS with revert	Passed
DoS with block gas limit	Passed
Private data leaks	Passed
Safe OpenZeppelin usage	Passed
Fallback functions	Passed
Timestamp dependency	Passed

## Summary

No contract issues have been identified.

# Security Issues

## Exploits

Dangerous vulnerabilities that will lead to loss of funds and or impairment of the contract and its functions.

No issues present.

## Function Bugs

Significant bugs or mistakes with isolated impact, affecting only specific functions of the contract without compromising overall functionality.

No issues present.

## Trivial Mistakes

Syntax or spelling mistakes that are of no consequence to the functionality of the contract.

No issues present.

## Summary

No security issues have been identified.

# Team Privileges

## Tradability

Some smart contracts may contain functions that can freeze all swaps.

Contract does not have a swap-freeze function.

Team can set a max transaction amount, no less than %0.1.

## Minting

Minting new tokens post-launch can plummet the value of existing tokens.

Team cannot mint new tokens.

## Blacklisting

Blacklisting can prevent wallets from swapping the tokens that they hold.

Team can mass blacklist wallets.

## Tax Levels

Excessive taxation can decrease or in some cases eliminate all trader profits.

Team can increase buy tax up to 15%.

Team can increase sell tax up to 24%.

Team can increase transfer tax up to 10%.

## Summary

The team has substantial control over the contract and all swaps.

# Contract Features

- ❖ Each transaction is taxed.
- ❖ A percentage of taxed tokens are distributed to holders immediately.
- ❖ Redistribution doesn't show up as transactions since they are internal calculations conducted by the smart contract.
- ❖ Contract is not open to trading immediately at launch, team must enable trading first.
- ❖ A percentage of taxed tokens are swapped to BNB and sent to the team.
- ❖ Team wallet addresses can be updated by the team.
- ❖ Taxes can be increased to up to 24% by the team.
- ❖ Team can blacklist addresses, preventing them from being able to transfer tokens.
- ❖ Team can enforce cooldowns on wallets, preventing them from being able to trade.
- ❖ Team can exclude or include addresses from fees, cooldowns, wallet limits, and transaction limits.

## Summary

The contract functions as intended and contains no misbranded features.

# Final Review

No contract issues have been identified.

No security issues have been identified.

Contract features are clear and they work as intended.

Ensure trust in the team as they have significant control over the contract and all swaps.





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