



DesuFi
BLOCKCHAIN SERVICES

Smart Contract Audit

CatMoonCoin



November 30th, 2021

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Overview

`CatMoonCoin` is a token launched on the Binance Smart Chain, using a smart contract created by DesuFi. The objective of this report is to demonstrate smart contract features and potential vulnerabilities.

Name	CatMoonCoin
Website	https://catmooncoin.com
Token Name	CatMoonCoin.com
Token Ticker	\$CATMOON
Blockchain	BSC
Address	0xB9A32D637C197bcd29B4D524B942657182DBe1BB

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.

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.

Contract does not have a blacklisting function.

Team cannot prevent individual wallets from trading.

Tax Levels

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

Buy tax is 2%

Sell tax is 6%

Team can change tax levels

Tax levels have an inbuilt maximum limit of 16%

Summary

The team has reasonable control over the contract.

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.
- ❖ There are 2 team wallets, branded "marketing" and "dev" respectively.
- ❖ A percentage of taxed tokens are swapped to BNB and equally shared between the team wallets.
- ❖ Team wallet addresses can be updated by the team.
- ❖ Taxes can be increased to up to 16% by the "dev" wallet.

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.

The team has reasonable control over the contract.

Contract features are clear and they work as intended.



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