



Cyberscope

# Audit Report

## **Citradium**

April 2024

Network    BSC

Address    0x026E2586660410CC4447491eF09bC6A2Bb9A560d

Audited by    © cyberscope

# Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

# Table of Contents

<b>Analysis</b>	<b>1</b>
<b>Table of Contents</b>	<b>2</b>
<b>Review</b>	<b>3</b>
Audit Updates	3
Source Files	3
<b>Findings Breakdown</b>	<b>4</b>
<b>Functions Analysis</b>	<b>5</b>
<b>Inheritance Graph</b>	<b>8</b>
<b>Flow Graph</b>	<b>9</b>
<b>Summary</b>	<b>10</b>
<b>Disclaimer</b>	<b>11</b>
<b>About Cyberscope</b>	<b>12</b>

## Review

Contract Name	Citradium
Compiler Version	v0.8.17+commit.8df45f5f
Optimization	200 runs
Explorer	<a href="https://bscscan.com/address/0x026e2586660410cc4447491ef09bc6a2bb9a560d">https://bscscan.com/address/0x026e2586660410cc4447491ef09bc6a2bb9a560d</a>
Address	0x026e2586660410cc4447491ef09bc6a2bb9a560d
Network	BSC
Symbol	CITRA
Decimals	18
Total Supply	2,000,000,000,000,000
Badge Eligibility	Yes

## Audit Updates

Initial Audit	04 Apr 2024
Corrected Phase 2	11 Apr 2024
Corrected Phase 3	15 Apr 2024

## Source Files

Filename	SHA256
Citradium.sol	15ddbe87d8a2cefea2943cf65bcf81e5e5073e4081241371ece407609b6c5505

## Findings Breakdown

Severity		Unresolved	Acknowledged	Resolved	Other
●	Critical	0	0	0	0
●	Medium	0	0	0	0
●	Minor / Informative	0	0	0	0

## Functions Analysis

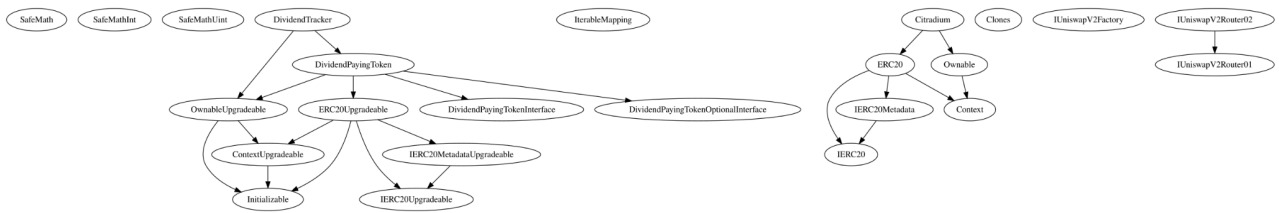
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>Citradium</b>	Implementation	ERC20, Ownable		
		Public	Payable	ERC20
	getNativeCurrency	Internal		
		External	Payable	-
	setSwapTokensAtAmount	External	✓	onlyOwner
	excludeFromFees	External	✓	onlyOwner
	includeInFees	External	✓	onlyOwner
	excludeMultipleAccountsFromFees	External	✓	onlyOwner
	setMarketingWallet	External	✓	onlyOwner
	isContract	Internal		
	setBuyFees	External	✓	onlyOwner
	setSellFees	External	✓	onlyOwner
	_setAutomatedMarketMakerPair	Private	✓	
	updateGasForProcessing	Public	✓	onlyOwner
	updateClaimWait	External	✓	onlyOwner
	getClaimWait	External		-
	updateMinimumTokenBalanceForDividends	External	✓	onlyOwner
	getMinimumTokenBalanceForDividends	External		-
	getTotalDividendsDistributed	External		-

	isExcludedFromFees	Public		-
	withdrawableDividendOf	Public		-
	dividendTokenBalanceOf	Public		-
	excludeFromDividends	External	✓	onlyOwner
	isExcludedFromDividends	Public		-
	getAccountDividendsInfo	External		-
	getAccountDividendsInfoAtIndex	External		-
	processDividendTracker	External	✓	-
	claim	External	✓	-
	getLastProcessedIndex	External		-
	getNumberOfDividendTokenHolders	External		-
	_transfer	Internal	✓	
	swap	Private	✓	lockTheSwap
	swapAndSendToFee	Private	✓	
	swapTokensForEth	Private	✓	
	addLiquidity	Private	✓	
	swapTokensForReward	Private	✓	
	swapAndSendDividends	Private	✓	
	setIsExcludedFromAntibot	External	✓	onlyOwner
	setTradeCooldown	External	✓	onlyOwner
	toggleAntibot	External	✓	onlyOwner
	toggleSwapEnabled	External	✓	onlyOwner
	burn	Public	✓	-

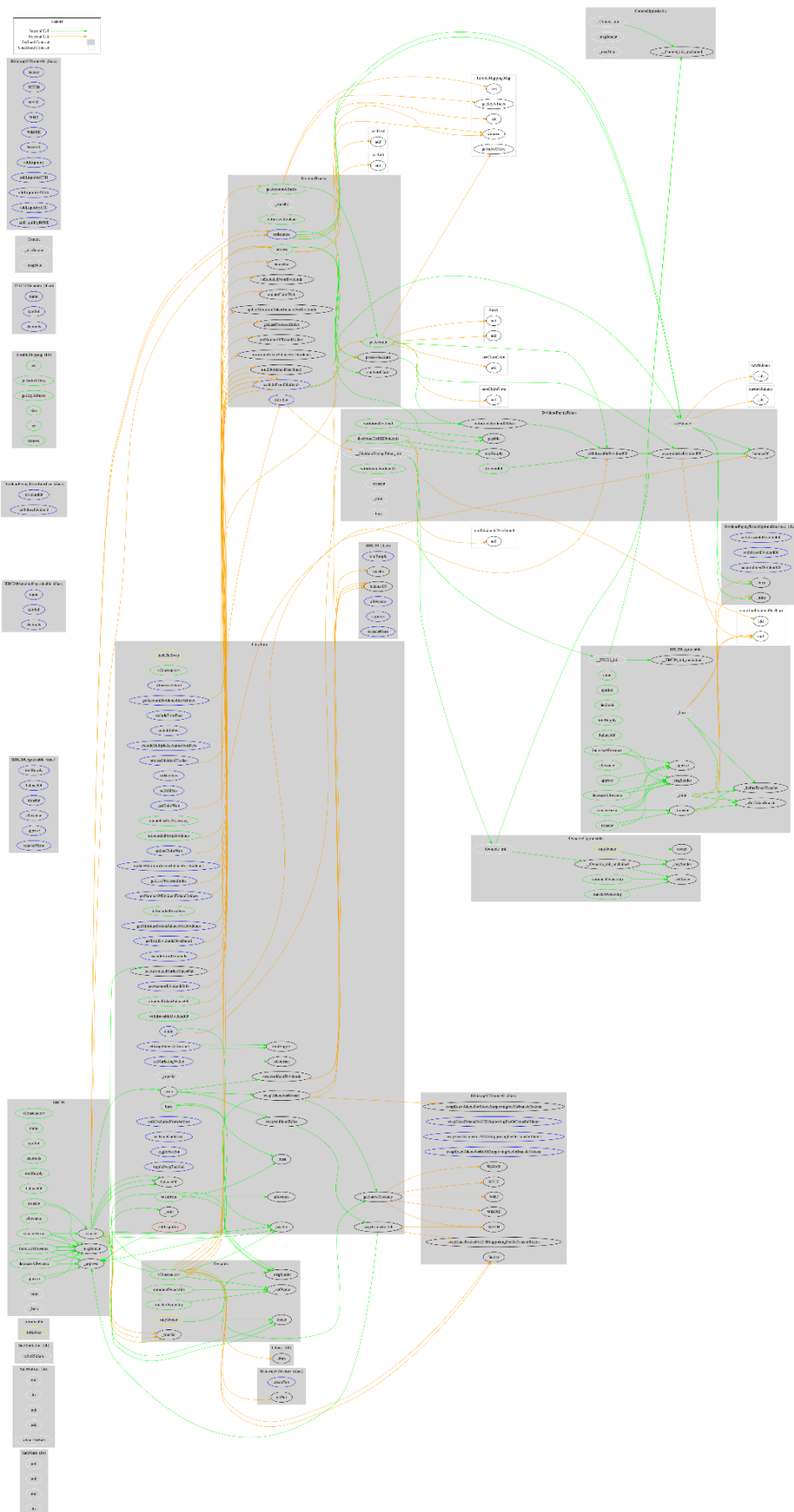
	burnFrom	Public	✓	-
	claimStuckBNB	External	✓	onlyOwner



# Inheritance Graph



# Flow Graph



## Summary

Citradium contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Citradium is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions. There is also a limit of max 8% fees for buy and sell transactions.

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# About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



**The Cyberscope team**

<https://www.cyberscope.io>