Cyberscope

Audit Report

SproutScape

January 2024

Network   BSC

Address   0x83F4A44D061d8407fF2Dc408Ead0e563ca4C034d

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

Review

Contract Name	SproutScape
Compiler Version	v0.8.16+commit.07a7930e
Optimization	200 runs
Explorer	https://bscscan.com/address/0x83f4a44d061d8407ff2dc408ead0e563ca4c034d
Address	0x83f4a44d061d8407ff2dc408ead0e563ca4c034d
Network	BSC
Symbol	sproutscape
Decimals	18
Total Supply	500,000,000
Badge Eligibility	Yes

Audit Updates

Initial Audit	23 Jan 2024

Source Files

Filename	SHA256
contracts/SproutScape.sol	3c516aa8b9e37a3d5c53ec21a3b36677d90a0d02dcfa1bdeb6553fa562674eb5

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	
IERC20	Interface				
	totalSupply	External		-	
	balanceOf	External		-	
	transfer	External	✓	-	
	allowance	External		-	
	approve	External	✓	-	
	transferFrom	External	✓	-	
Context	Implementation				
	_msgSender	Internal			
Ownable	Implementation	Context			
		Public	✓	-	
	owner	Public		-	
	renounceOwnership	Public	✓	onlyOwner	
	transferOwnership	Public	✓	onlyOwner	
	_setOwner	Private	✓		
SafeMath	Library				

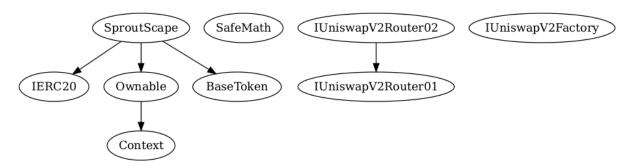|	sub	Internal		
IUniswapV2Router01	Interface			
	factory	External		-
	WETH	External		-
	WETC	External		-
	WHT	External		-
	WROSE	External		-
	WAVAX	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	addLiquidityAVAX	External	Payable	-
	addLiquidityETC	External	Payable	-
	addLiquidityROSE	External	Payable	-
IUniswapV2Router02	Interface	IUniswapV2Router01		
	swapExactTokensForETCSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForAVAXSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForROSESupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
IUniswapV2Factory	Interface			

	createPair	External	✓	-
BaseToken	Implementation			
SproutScape	Implementation	IERC20, Ownable, BaseToken		
		Public	Payable	-
	getNativeCurrency	Internal		
	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-
	balanceOf	Public		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-
	excludeFromFee	External	✓	onlyOwner
	includeInFee	External	✓	onlyOwner
	setLiquidityFeePercent	External	✓	onlyOwner
	setTeamFeePercent	External	✓	onlyOwner
	setTeamAddress	External	✓	onlyOwner

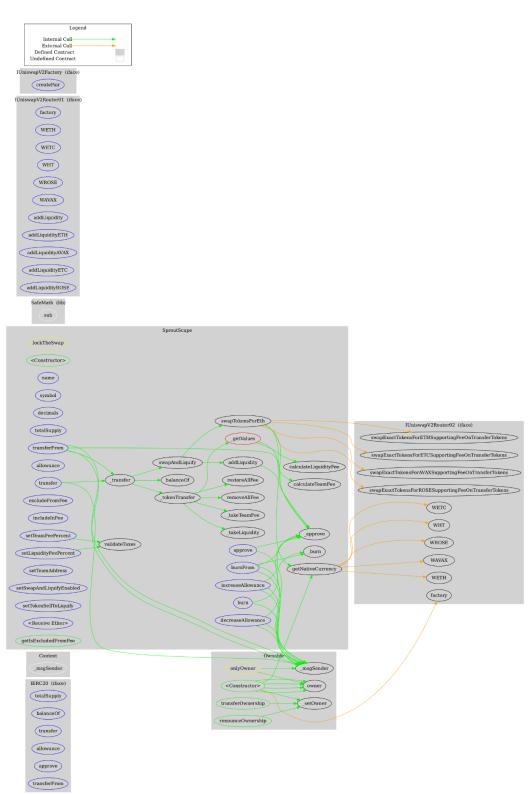|				
	validateTaxes	Internal		
	setSwapAndLiquifyEnabled	External	✓	onlyOwner
	setTokenSellToLiquify	External	✓	onlyOwner
		External	Payable	-
	_getValues	Private		
	_takeLiquidity	Private	✓	
	_takeTeamFee	Private	✓	
	calculateLiquidityFee	Private		
	calculateTeamFee	Private		
	removeAllFee	Private	✓	
	restoreAllFee	Private	✓	
	getIsExcludedFromFee	Public		-
	_approve	Private	✓	
	_transfer	Private	✓	
	swapAndLiquify	Private	✓	lockTheSwap
	swapTokensForEth	Private	✓	
	addLiquidity	Private	✓	
	_tokenTransfer	Private	✓	
	burn	External	✓	-
	burnFrom	External	✓	-
	_burn	Private	✓	

Inheritance Graph

Flow Graph

Summary

SproutScape contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. SproutScape is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors 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 20% fees.

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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

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