



Scan Report for SAFEMOONBLACKDOGE

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddeaa>

Issued on:
07th April 2023

Solverified automated is trying to be precise as possible, but the results may differ. We recommend a manual audit for detailed vulnerability checks. Always DYOR and keep your contracts safe. This result is not a statement/ advice or 'no objection' to buy or invest in any project.



Disclaimer

Reviewing & accepting a project audit report can be considered as a 'key of trust' and is viewed as an initial trust recommending factor of a project or a code, but this document does not guarantee that any individual or team will not remove all the liquidity, sell tokens or engage in any other fraud activities. Also, we could not find a method to stop or prevent private sale holders from selling their tokens.

We recommend you to decide by consider reading the full document, project's/ team's social media posts, social presence, researching the team, company and the contract code of this project in order to draw your own conclusions and to reach your own risk assessment.

www.solverified.in or its team will not be responsible for any of your financial or emotional losses or we do not encourage any investments personally or officially. You should understand well the decisions should be made by you after thorough understanding and researches on every project we audit.

The contents, informations and reasons should not be the considered as a financial, investment or legal advice.

DYOR!



Contract

Name	SAFEMOONBLACKDOGE
Symbol	\$SAFEDOGE
Network	Binance Smart Chain
Address	0x71d3cea7beb94664e3293ec9f4250b6c0d6ddeaa
Decimals	9
Total Supply	80 M
Burned Amount	0
Circulating Supply	80 M (100%)
Compiler info	v0.8.10+commit.fc410830, 200 runs
Licence	MIT
Proxy	No Proxy
Code visible	Yes
Renounced	No
Contract Owner	Contract Owner
Source code link:	https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddeaa



Audit

Sell Tax	15%
Buy Tax	0
Can Set Fee	Warning
Can Mint	Safe
Can Burn	Safe
Can Blacklist	Safe
Can Blacklist Massively	Safe
Can Whitelist	Safe
Can Cooldown Transfers	Safe
Can Pause Transfers	Safe
Can Change Max Trx Amount	No
Anti Money Laundering Suspicious	Low Risk

Features

Reflections	Yes
Auto generate liquidity	Yes
No of interfaces	
No of contracts	
Versions	
Total lines	



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddeaa>

Function: addLiquidity Line: 510 **High Impact**
Unprotected function to send Ethers
Functions for sending Ethers should be protected.

Function: addLiquidity Line: 515 **High Impact**
Unprotected function to send Ethers
router.addLiquidityETH{value: bnbAmount}(address(this),tokenAmount,0,0,address(0),
block.timestamp)
Functions for sending Ethers should be protected.

Function: _transfer Line: 422 **High Impact**
Reentrancy issue
Functions from external contracts should be called last.

Function: _transfer Line: 443 **High Impact**
Reentrancy issue
swapAndLiquify(swapTokensAtAmount)
Functions from external contracts should be called last.

Function: swapTokensForBNB Line: 534 **High Impact**
Reentrancy issue
router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address
(this),block.timestamp)
Functions from external contracts should be called last.

Function: swapAndLiquify Line: 501 **High Impact**
Reentrancy issue
address(marketingAddress).transfer(marketingAmt)
Functions from external contracts should be called last.

Function: swapAndLiquify Line: 506 **High Impact**
Reentrancy issue
address(devAddress).transfer(devAmt)
Functions from external contracts should be called last.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddea>

Function: `__transfer` Line: 446 **High Impact**

Reentrancy issue

`__tokenTransfer(from,to,amount,!(__isExcludedFromFee[from] || __isExcludedFromFee[to]),to == pair)`

Functions from external contracts should be called last.

Function: `__takeMarketing` Line: 346 **High Impact**

Reentrancy issue

`__rOwned[address(this)] += rMarketing`

Functions from external contracts should be called last.

Function: `__takeDev` Line: 356 **High Impact**

Reentrancy issue

`__rOwned[address(this)] += rDev`

Functions from external contracts should be called last.

Function: `__takeLiquidity` Line: 336 **High Impact**

Reentrancy issue

`__rOwned[address(this)] += rLiquidity`

Functions from external contracts should be called last.

Function: `__tokenTransfer` Line: 461 **High Impact**

Reentrancy issue

`__rOwned[sender] = __rOwned[sender] - s.rAmount`

Functions from external contracts should be called last.

Function: `__tokenTransfer` Line: 462 **High Impact**

Reentrancy issue

`__rOwned[recipient] = __rOwned[recipient] + s.rTransferAmount`

Functions from external contracts should be called last.

Function: `__reflectRfi` Line: 325 **High Impact**

Reentrancy issue

`__rTotal -= rRfi`

Functions from external contracts should be called last.

Function: `__tokenTransfer` Line: 455 **High Impact**

Reentrancy issue

`__tOwned[sender] = __tOwned[sender] - tAmount`

Functions from external contracts should be called last.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddea>

Function: `_takeLiquidity` Line: 334 **High Impact**

Reentrancy issue

`_tOwned[address(this)] += tLiquidity`

Functions from external contracts should be called last.

Function: `_takeMarketing` Line: 344 **High Impact**

Reentrancy issue

`_tOwned[address(this)] += tMarketing`

Functions from external contracts should be called last.

Function: `_takeDev` Line: 354 **High Impact**

Reentrancy issue

`_tOwned[address(this)] += tDev`

Functions from external contracts should be called last.

Function: `_tokenTransfer` Line: 458 **High Impact**

Reentrancy issue

`_tOwned[recipient] = _tOwned[recipient] + s.tTransferAmount`

Functions from external contracts should be called last.

Function: `rescueAnyBEP20Tokens` Line: 601 **High Impact**

Unchecked transfer return value

Transfer and transferFrom return value should be checked.

Function: `rescueAnyBEP20Tokens` Line: 603 **High Impact**

Unchecked transfer return value

`IERC20(_tokenAddr).transfer(_to,_amount)`

Transfer and transferFrom return value should be checked.

Function: `swapAndLiquify` Line: 480 **Medium Impact**

Multiplication after division

Division should be after multiplication to avoid losses.

Function: `swapAndLiquify` Line: 491 **Medium Impact**

Multiplication after division

`unitBalance = deltaBalance / (denominator - sellTaxes.liquidity)`

Division should be after multiplication to avoid losses.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddea>

Function: swapAndLiquify Line: 504 **Medium Impact**

Multiplication after division

`devAmt = unitBalance * 2 * sellTaxes.dev`

Division should be after multiplication to avoid losses.

Function: swapAndLiquify Line: 492 **Medium Impact**

Multiplication after division

`bnbToAddLiquidityWith = unitBalance * sellTaxes.liquidity`

Division should be after multiplication to avoid losses.

Function: swapAndLiquify Line: 499 **Medium Impact**

Multiplication after division

`marketingAmt = unitBalance * 2 * sellTaxes.marketing`

Division should be after multiplication to avoid losses.

Function: allowance Line: 219 **Low Impact**

Different variables with the same name

`owner`

Variables should use unique names.

Function: owner Line: 50 **Low Impact**

Different variables with the same name

Variables should use unique names.

Function: `_approve` Line: 415 **Low Impact**

Different variables with the same name

`owner`

Variables should use unique names.

Function: updateSwapTokensAtAmount Line: 563 **Low Impact**

Events are not emitted

Functions should emit events.

Function: updateSwapTokensAtAmount Line: 564 **Low Impact**

Events are not emitted

`swapTokensAtAmount = amount * 10 ** _decimals`

Functions should emit events.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddeaa>

Function: `updateMaxBuyAmt` Line: 555 **Low Impact**

Events are not emitted

Functions should emit events.

Function: `updateMaxBuyAmt` Line: 556 **Low Impact**

Events are not emitted

`maxBuyAmount = amount * 10 ** _decimals`

Functions should emit events.

Function: `updateMaxWalletBalance` Line: 551 **Low Impact**

Events are not emitted

Functions should emit events.

Function: `updateMaxWalletBalance` Line: 552 **Low Impact**

Events are not emitted

`maxWalletBalance = amount * 10 ** _decimals`

Functions should emit events.

Function: `updateMaxSellAmt` Line: 559 **Low Impact**

Events are not emitted

Functions should emit events.

Function: `updateMaxSellAmt` Line: 560 **Low Impact**

Events are not emitted

`maxSellAmount = amount * 10 ** _decimals`

Functions should emit events.

Function: `updateDevWallet` Line: 547 **Low Impact**

Zero address validation is missed

`newDevWallet`

Address validation should be added.

Function: `updateDevWallet` Line: 548 **Low Impact**

Zero address validation is missed

`devAddress = newDevWallet`

Address validation should be added.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddeaa>

Function: updateMarketingWallet Line: 543 **Low Impact**

Zero address validation is missed

newWallet

Address validation should be added.

Function: updateMarketingWallet Line: 544 **Low Impact**

Zero address validation is missed

marketingAddress = newWallet

Address validation should be added.

Function: updateRouterAndPair Line: 582 **Low Impact**

Zero address validation is missed

newPair

Address validation should be added.

Function: updateRouterAndPair Line: 585 **Low Impact**

Zero address validation is missed

pair = newPair

Address validation should be added.

Function: _takeDev Line: 350 **Low Impact**

Reentrancy vulnerability

totFeesPaid.dev += tDev

State variables should be updated before calling any external function.

Function: _takeMarketing Line: 340 **Low Impact**

Reentrancy vulnerability

totFeesPaid.marketing += tMarketing

State variables should be updated before calling any external function.

Function: _takeLiquidity Line: 330 **Low Impact**

Reentrancy vulnerability

totFeesPaid.liquidity += tLiquidity

State variables should be updated before calling any external function.

Function: _reflectRfi Line: 326 **Low Impact**

Reentrancy vulnerability

totFeesPaid.rfi += tRfi

State variables should be updated before calling any external function.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddea>

Function: transferFrom Line: 228 **Low Impact**

Reentrancy vulnerability

State variables should be updated before calling any external function.

Function: transferFrom Line: 229 **Low Impact**

Reentrancy vulnerability

`_transfer(sender,recipient,amount)`

State variables should be updated before calling any external function.

Function: transferFrom Line: 233 **Low Impact**

Reentrancy vulnerability

`_approve(sender,_msgSender(),currentAllowance - amount)`

State variables should be updated before calling any external function.

Function: `_approve` Line: 418 **Low Impact**

Reentrancy vulnerability

`_allowances[owner][spender] = amount`

State variables should be updated before calling any external function.

Function: swapAndLiquify Line: 488 **Low Impact**

Reentrancy vulnerability

`swapTokensForBNB(toSwap)`

State variables should be updated before calling any external function.

Function: swapAndLiquify Line: 496 **Low Impact**

Reentrancy vulnerability

`addLiquidity(tokensToAddLiquidityWith,bnbToAddLiquidityWith)`

State variables should be updated before calling any external function.

Function: `_approve` Line: 419 **Low Impact**

Reentrancy vulnerability

`Approval(owner,spender,amount)`

Events should be emitted before an external function is called.

Function: `_tokenTransfer` Line: 475 **Low Impact**

Reentrancy vulnerability

`Transfer(sender,recipient,s.tTransferAmount)`

Events should be emitted before an external function is called.



Source Code Scan

Targeted Source Code

Link: <https://bscscan.com/token/0x71d3cea7beb94664e3293ec9f4250b6c0d6ddea>

Function: `_tokenTransfer` Line: 476 **Low Impact**

Reentrancy vulnerability

`Transfer(sender,address(this),s.tLiquidity + s.tDev + s.tMarketing)`

Events should be emitted before an external function is called.
