



Cyberscope

# Audit Report

## **Meliodas Inu**

April 2022

Type           BEP20

Network       BSC

Address       0xF154eE62f162DF7923174cB12859113F2a1c0797

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## Contract Review

<b>Contract Name</b>	Meliodas_Inu
<b>Compiler Version</b>	v0.8.4+commit.c7e474f2
<b>Optimization</b>	200 runs
<b>Licence</b>	
<b>Explorer</b>	<a href="https://bscscan.com/token/0xF154eE62f162DF7923174cB12859113F2a1c0797">https://bscscan.com/token/0xF154eE62f162DF7923174cB12859113F2a1c0797</a>
<b>Symbol</b>	MEI
<b>Decimals</b>	18
<b>Total Supply</b>	100,000,000,000
<b>Domain</b>	meliodasinu.com

## Audit Updates

<b>Initial Audit</b>	27th April 2022
<b>Corrected</b>	

# Source Files

Filename	SHA256
@openzeppelin/contracts/access/AccessControl.sol	0b280a0fe505b5b8bcb700e0b1f6242acf73e0b509372ef3acc46db051512e32
@openzeppelin/contracts/access/IAccessControl.sol	d03c1257f2094da6c86efa7aa09c1c07ebd33dd31046480c5097bc2542140e45
@openzeppelin/contracts/access/Ownable.sol	75e3c97011e75627ffb36f4a2799a4e887e1a3e27ed427490e82d7b6f51cc5c9
@openzeppelin/contracts/security/Pausable.sol	5b6abc290190f46b9941c674594eee083a3fe6b92d1828d0cfefacc94d1cac9a
@openzeppelin/contracts/token/ERC20/ERC20.sol	64c5096fc6ad3309b937af9ba1ea721315e545a389f523d8bd2349c13481411d
@openzeppelin/contracts/token/ERC20/extensions/IERC20Metadata.sol	af5c8a77965cc82c33b7ff844deb9826166689e55dc037a7f2f790d057811990
@openzeppelin/contracts/token/ERC20/IERC20.sol	c2b06bb4572bb4f84bfc5477dadcfcc497cb66c3a1bd53480e68bedc2e154a6
@openzeppelin/contracts/Utils/Context.sol	1458c260d010a08e4c20a4a517882259a23a4baa0b5bd9add9fb6d6a1549814a
@openzeppelin/contracts/Utils/introspection/ERC165.sol	8806a632d7b656caddb8133ff8f2acae4405b3a64d8709d93b0fa6a216a8a6154

<b>@openzeppelin/contracts/utils/introspection/IERC165.sol</b>	701e025d13ec6be09ae892eb029cd83b3064325801d73654847a5fb11c58b1e5
<b>@openzeppelin/contracts/utils/math/SafeMath.sol</b>	15941f3904992a62ed117e93d9e2d5c4c22bd09a7ff97fdd5f49273cf09703ac
<b>@openzeppelin/contracts/utils/Strings.sol</b>	8597c62818dc6c6cf85c21179b90b714fb4f70a4347ca2eed23e88c87b08b8a1
<b>contracts/Meliodas_Inu.sol</b>	6e212b5fac1829417f4338fb7b5a23c2632523fc46847862f0ca8b26bfbe25ef

# Contract Analysis

● Critical   ● Medium   ● Minor   ● Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

## Contract Diagnostics

The contract implements the pure ERC20 interface. It inherits some functionality that cannot be used since it is private. For instance, the pausable functionality is redundant.

# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>AccessControl</b>	Implementation	Context, IAccessControl, ERC165		
	supportsInterface	Public		-
	hasRole	Public		-
	_checkRole	Internal		
	getRoleAdmin	Public		-
	grantRole	Public	✓	onlyRole
	revokeRole	Public	✓	onlyRole
	renounceRole	Public	✓	-
	_setupRole	Internal	✓	
	_setRoleAdmin	Internal	✓	
	_grantRole	Internal	✓	
	_revokeRole	Internal	✓	
<b>IAccessControl</b>	Interface			
	hasRole	External		-
	getRoleAdmin	External		-
	grantRole	External	✓	-
	revokeRole	External	✓	-
	renounceRole	External	✓	-
<b>Ownable</b>	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	

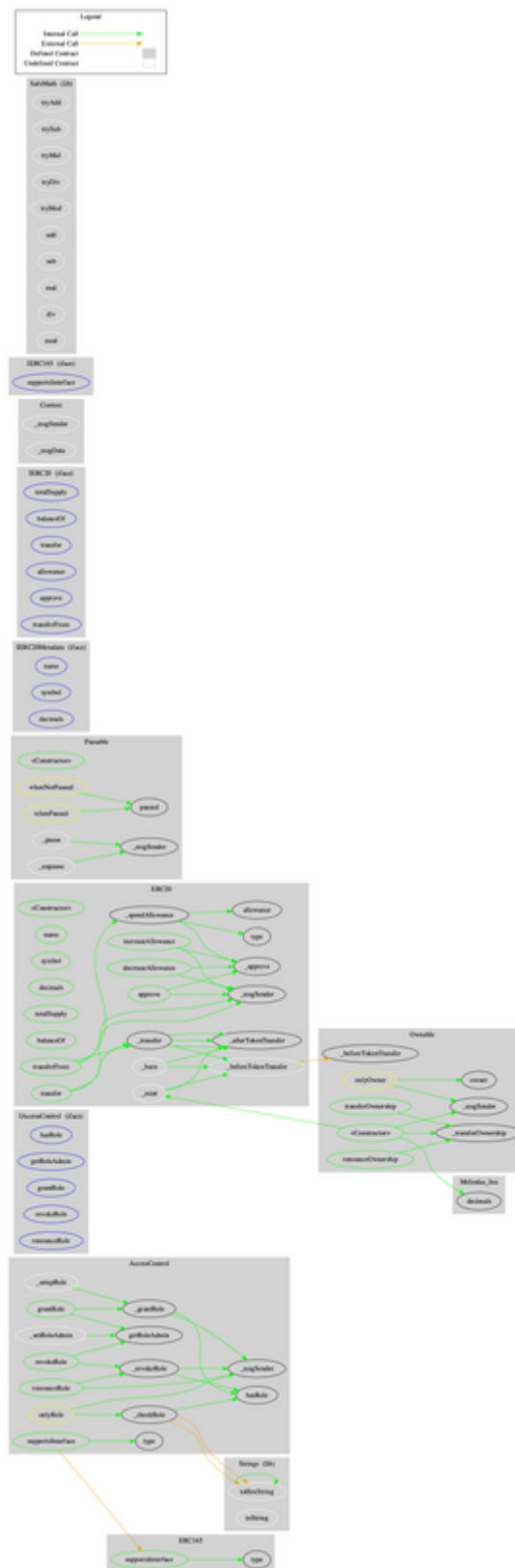


<b>Pausable</b>	Implementation	Context		
	<Constructor>	Public	✓	-
	paused	Public		-
	_pause	Internal	✓	whenNotPaused
	_unpause	Internal	✓	whenPaused
<b>ERC20</b>	Implementation	Context, IERC20, IERC20Meta data		
	<Constructor>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_spendAllowance	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
<b>IERC20Metadata</b>	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-

<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>Context</b>	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
<b>ERC165</b>	Implementation	IERC165		
	supportsInterface	Public		-
<b>IERC165</b>	Interface			
	supportsInterface	External		-
<b>SafeMath</b>	Library			
	tryAdd	Internal		
	trySub	Internal		
	tryMul	Internal		
	tryDiv	Internal		
	tryMod	Internal		
	add	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	mod	Internal		
	sub	Internal		
	div	Internal		
	mod	Internal		
<b>Strings</b>	Library			

	toString	Internal		
	toHexString	Internal		
	toHexString	Internal		
<b>Meliodas_Inu</b>	Implementation	ERC20, Pausable, AccessCont rol, Ownable		
	<Constructor>	Public	✓	ERC20
	_beforeTokenTransfer	Internal	✓	whenNotPause d

# Contract Flow



## Domain Info

<b>Domain Name</b>	meliodasinu.com
<b>Registry Domain ID</b>	2692028387_DOMAIN_COM-VRSN
<b>Creation Date</b>	2022-04-26T12:08:19Z
<b>Updated Date</b>	2022-04-26T12:08:20Z
<b>Registry Expiry Date</b>	2023-04-26T12:08:19Z
<b>Registrar WHOIS Server</b>	whois.godaddy.com
<b>Registrar URL</b>	<a href="https://www.godaddy.com">https://www.godaddy.com</a>
<b>Registrar</b>	GoDaddy.com, LLC
<b>Registrar IANA ID</b>	146

The domain has been created 1 day before the creation of the audit. It will expire in 12 months.

There is no public billing information, the creator is protected by the privacy settings.

# Summary

Meliodas Inu 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. The contract does not contain fees.

## Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

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The Cyberscope team disclaims any liability for the resulting losses.

# About Cyberscope

Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provides all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>