



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            | 8806a632d7b656cadb8133ff8f2acae4405b3a64d8709d93b0fa6a216a8a6154 |

|                                                                |                                                                  |
|----------------------------------------------------------------|------------------------------------------------------------------|
| <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

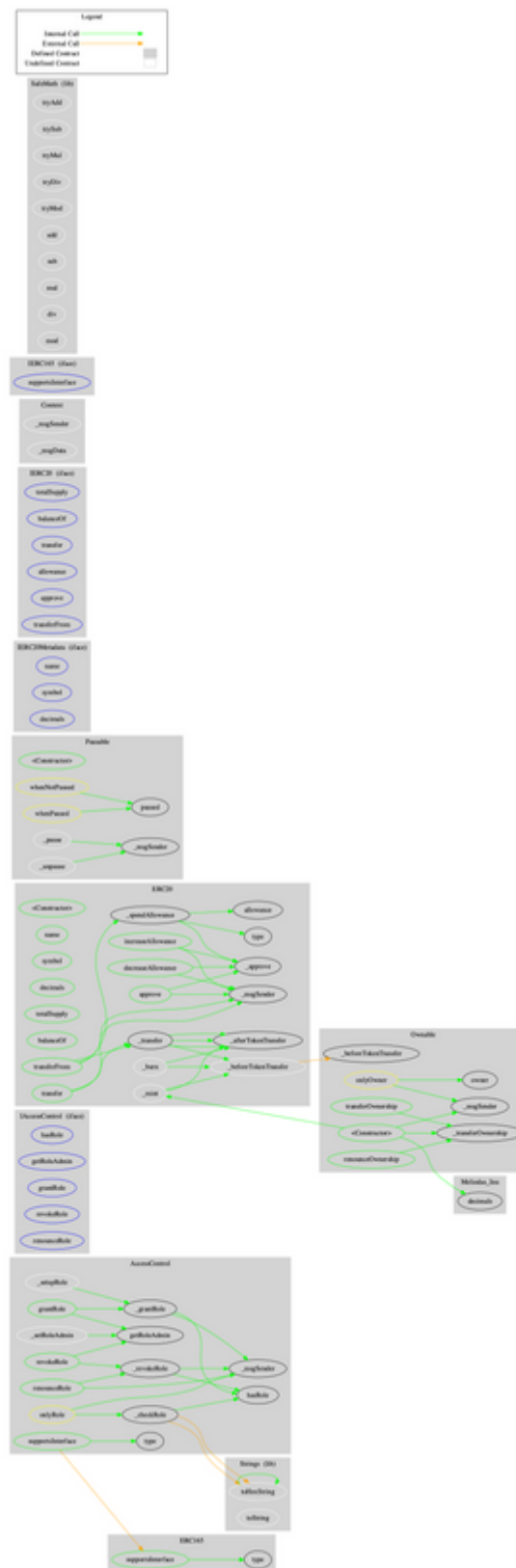
| Contract              | Type               | Bases                           |            |           |
|-----------------------|--------------------|---------------------------------|------------|-----------|
|                       | Function Name      | Visibility                      | Mutability | 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,<br>IERC20,<br>IERC20Meta<br>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,<br>Pausable,<br>AccessCont<br>rol, Ownable |   |                   |
|                     | <Constructor>        | Public                                            | ✓ | ERC20             |
|                     | _beforeTokenTransfer | Internal                                          | ✓ | whenNotPause<br>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

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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>