

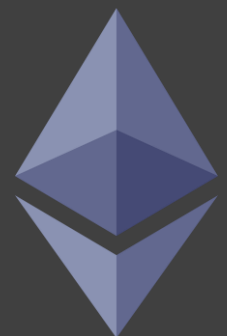


Audit report

Ermine (ERM) token ERC-20

Contract address: [0xda542de613834Ced3c8c1aD9B884f71bc1CbFd06](https://etherscan.io/address/0xda542de613834Ced3c8c1aD9B884f71bc1CbFd06)

January 31, 2023



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Disclaimer

RomyRom audits various projects where smart contracts are involved. We do not guarantee that the purpose of the project may be fraud, “rug pull”, withdrawing liquidity, selling and transferring the project and its team.

An audit of a smart contract is not an offer, investment advice, or a recommendation to buy tokens.

RomyRom is not responsible for any losses and speculative investments. Use the information obtained from this audit for informational purposes.

Do your own research on the project, documentation, and its social media.

Object under study

Ermine (ERM) token (ERC20)

Ermine is developing an ecosystem consisting of virtual mining using virtual miners, a liquidity pool with an exchange, a return system, a referral program, a treasury and interaction with yield smart contracts. ERM tokens will be used in the Ermine ecosystem to ensure that miners in certain pools are not terminated prematurely, to have special user privileges, better conditions for the referral program, liquidity and insurance.

Technical characteristics of the ERM token

Ecosystem – Ethereum

Token standard – ERC20

Number of decimal places after the decimal point – 18

Name – Ermine

Ticker – ERM

Contract address - 0xda542de613834Ced3c8c1aD9B884f71bc1CbFd06

Total supply – 800,000,000 ERM

Total minted – 800,000,000 ERM

Verify of smart contracts

Verified contract source code in browser:

<https://etherscan.io/token/0xda542de613834Ced3c8c1aD9B884f71bc1CbFd06#code>

Contract Name: Ermine

Compiler Version v0.8.17+commit.8df45f5f

Optimization Enabled: Yes with 200 runs

Other Settings: default evmVersion

Contract Source Code Verified (Exact Match)

Checking hashes (SHA256) of OpenZeppelin libraries

File name	SHA256 Checksum	Conclusion
Context.sol	6de5302543723d32c8eaf17becc4525936e16d9c4551455c93d306b9b72c0799	verified
IERC20Metadata.sol	370d2a3f5d1002a531dbe728d6e6c945ee160aecf16d01dc7304a0a534947c8f	verified
ERC20Burnable.sol	8da478d50272b5de7478f70c72d5b573ce12c798a6260402f484eb562a9721d9	verified
IERC20.sol	6654ca211d7ed22937fae539bcf24e0bda89ba7489d4a2f439cc52f53db6ec4d	verified
ERC20.sol	eac10472f2555cd9806352fe9278f6410dc92969b842283ea450db0308a8cc2e	verified
Ownable.sol	96a3b09372173d7174fcb0080a97c0cd9abb51cd31e71ecd597d62e0942cb7c4	verified

Owner: 0x18b5d766C8714BA3280403A1fD5e8e1183B707b8

Control modifiers: none

Issuance of new tokens is not available

An unused import was found (not critical)

```
17 import "@openzeppelin/contracts/token/ERC20/extensions/ERC20Burnable.sol";
```

Functions created by the developer

Below is a study of the functions created by the developer

The **Ermine.sol** file includes 1 function

Function name	Permissions	Description
burn(uint256 amount)	available to everyone	Burns the amount of the caller's tokens if there are enough tokens on his balance (\geq amount) and the total supply of tokens is more than 400M. The burnedERM variable stores the number of burned tokens over time.

Warning! Tokens after burning are not subject to recovery and are not sent back for mint. After burning, the total supply of ERM tokens will be reduced by amount.

Risks for the user may be associated with an accidental call to the burn function, which may lead to the irretrievable loss of their tokens.

Don't call any functions, in any contracts, unless you understand what might happen next.

Conclusion

During the study of the Ermine contract, no errors were found in the source code. The mint is not available. The code audit of the libraries used did not reveal any changes made to them. Library file hashes correspond to stock values. Having the burn function available to everyone can create a risk of losing user ERM tokens if it is accidentally invoked.

No vulnerabilities were found. The Ermine smart contract has successfully passed security tests and does not pose a threat when used.

Contacts



<https://romyrom.com/en/>



<https://twitter.com/RRWeb3>

