



# Smart contracts security assessment

Final report

[Tariff: Standard](#)

**DecZec**

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## Introduction

The report has been prepared for **DecZec** .

DecZec (SOLDEX) is an ERC-20 standard token with [ERC20Burnable](#) and [ERC20Permit](#) extensions made by OpenZeppelin. The token has no mint functionality, no taxes.

The contract is available at [0x38Ed013263057c97532BaA0249BcB00De7d7de76](#) in the Ethereum Smart Chain.

Name	DecZec
Audit date	2025-06-03
Language	Solidity
Platform	Ethereum Mainnet

## Contracts checked

Name	Address
------	---------

## Procedure

We perform our audit according to the following procedure:

### Automated analysis

- Scanning the project's smart contracts with several publicly available automated Solidity analysis tools
- Manual verification (reject or confirm) all the issues found by the tools

### Manual audit

- Manually analyze smart contracts for security vulnerabilities

- Smart contracts' logic check

## Known vulnerabilities checked

Title	Check result
<u>Unencrypted Private Data On-Chain</u>	passed
<u>Code With No Effects</u>	passed
<u>Message call with hardcoded gas amount</u>	passed
<u>Typographical Error</u>	passed
<u>DoS With Block Gas Limit</u>	passed
<u>Presence of unused variables</u>	passed
<u>Incorrect Inheritance Order</u>	passed
<u>Requirement Violation</u>	passed
<u>Weak Sources of Randomness from Chain Attributes</u>	passed
<u>Shadowing State Variables</u>	passed
<u>Incorrect Constructor Name</u>	passed
<u>Block values as a proxy for time</u>	passed
<u>Authorization through tx.origin</u>	passed
<u>DoS with Failed Call</u>	passed
<u>Delegatecall to Untrusted Callee</u>	passed
<u>Use of Deprecated Solidity Functions</u>	passed
<u>Assert Violation</u>	passed
<u>State Variable Default Visibility</u>	passed
<u>Reentrancy</u>	passed
<u>Unprotected SELFDESTRUCT Instruction</u>	passed

<u>Unprotected Ether Withdrawal</u>	passed
<u>Unchecked Call Return Value</u>	passed
<u>FloatingPragma</u>	passed
<u>Outdated Compiler Version</u>	passed
<u>Integer Overflow and Underflow</u>	passed
<u>Function Default Visibility</u>	passed

## Classification of issue severity

<b>High severity</b>	High severity issues can cause a significant or full loss of funds, change of contract ownership, major interference with contract logic. Such issues require immediate attention.
<b>Medium severity</b>	Medium severity issues do not pose an immediate risk, but can be detrimental to the client's reputation if exploited. Medium severity issues may lead to a contract failure and can be fixed by modifying the contract state or redeployment. Such issues require attention.
<b>Low severity</b>	Low severity issues do not cause significant destruction to the contract's functionality. Such issues are recommended to be taken into consideration.

## Issues

### High severity issues

No issues were found

### Medium severity issues

No issues were found

### Low severity issues

No issues were found

## Conclusion

DecZec contract was audited. No severity issues were found.

## Disclaimer

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This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.



## Slither output

INFO:Detectors:

Pragma version0.8.26 (contracts/DecZec.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.8.18.

solc-0.8.26 is not recommended for deployment

Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity>

INFO:Slither:. analyzed (21 contracts with 88 detectors), 2 result(s) found

# Check DecZecToken

## Check functions

```
[X] totalSupply() is present
    [X] totalSupply() -> (uint256) (correct return type)
    [X] totalSupply() is view
[X] balanceOf(address) is present
    [X] balanceOf(address) -> (uint256) (correct return type)
    [X] balanceOf(address) is view
[X] transfer(address,uint256) is present
    [X] transfer(address,uint256) -> (bool) (correct return type)
    [X] Transfer(address,address,uint256) is emitted
[X] transferFrom(address,address,uint256) is present
    [X] transferFrom(address,address,uint256) -> (bool) (correct return type)
    [X] Transfer(address,address,uint256) is emitted
[X] approve(address,uint256) is present
    [X] approve(address,uint256) -> (bool) (correct return type)
    [X] Approval(address,address,uint256) is emitted
[X] allowance(address,address) is present
    [X] allowance(address,address) -> (uint256) (correct return type)
    [X] allowance(address,address) is view
[X] name() is present
    [X] name() -> (string) (correct return type)
    [X] name() is view
```

```
[x] symbol() is present
    [x] symbol() -> (string) (correct return type)
    [x] symbol() is view
[x] decimals() is present
    [x] decimals() -> (uint8) (correct return type)
    [x] decimals() is view

## Check events
[x] Transfer(address,address,uint256) is present
    [x] parameter 0 is indexed
    [x] parameter 1 is indexed
[x] Approval(address,address,uint256) is present
    [x] parameter 0 is indexed
    [x] parameter 1 is indexed

[ ] DecZecToken is not protected for the ERC20 approval race condition
```



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