



# Smart contracts security assessment

Preview Report

**Sensei Inu**

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## Introduction

The report has been prepared for Sensei Inu

|               |  |
|---------------|--|
| Network       | Binance Smart Chain                        |
| Contract type | ERC-20                                     |
| Address       | 0xb5b3507aed99fd34eac54219a2c7f9b48223e5eb |
| Token name    | Sensei Inu                                 |
| Token symbol  | SEN  |
| Total supply  | 10000000000000                             |
| Decimals      | 18   |

## 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>                             |    |
| <u>Message call with hardcoded gas amount</u>           |    |
| <u>Typographical Error</u>                              |    |
| <u>DoS With Block Gas Limit</u>                         | passed   |
| <u>Presence of unused variables</u>                     |    |
| <u>Incorrect Inheritance Order</u>                      |    |
| <u>Requirement Violation</u>                            |    |
| <u>Weak Sources of Randomness from Chain Attributes</u> | passed   |
| <u>Shadowing State Variables</u>                        |  |
| <u>Incorrect Constructor Name</u>                       |  |
| <u>Block values as a proxy for time</u>                 |  |
| <u>Authorization through tx.origin</u>                  |  |
| <u>DoS with Failed Call</u>                             |  |
| <u>Delegatecall to Untrusted Callee</u>                 |  |
| <u>Use of Deprecated Solidity Functions</u>             |  |
| <u>Assert Violation</u>                                 |  |
| <u>State Variable Default Visibility</u>                |  |
| <u>Reentrancy</u>                                       |  |
| <u>Unprotected SELFDESTRUCT Instruction</u>             |  |
| <u>Unprotected Ether Withdrawal</u>                     |  |
| <u>Unchecked Call Return Value</u>                      |  |

Floating Pragma



Outdated Compiler Version



Integer Overflow and Underflow



Function Default Visibility



## Conclusion

Sensei Inu was audited. 0 high, 0 medium, 0 low severity issues were found. Users should check if they interact with the same contracts as were audited.

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## Classification of issue severity

### **High severity**

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.

### **Medium severity**

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.

### **Low severity**

Low severity issues do not cause significant destruction to the contract's functionality. Such issues are recommended to be taken into consideration.



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