



# Smart contracts security assessment

Preview Report

## GoateCoin

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## Introduction

The report has been prepared for GoateCoin

Network	Binance Smart Chain
Contract type	ERC-20
Address	0x5ad9796846615d930e3507b0c124dadc1289b932
Token name	GoateCoin
Token symbol	\$GOATE
Total supply	10000000000000000
Decimals	9

## 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Outdated Compiler Version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

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

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The audit is conducted by the 0xGuard team, a team with 5+ years of blockchain security experience. Request it now.

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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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