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SMART CONTRACT REVIEW AND SECURITY REPORT

Audit

KYC

KYB
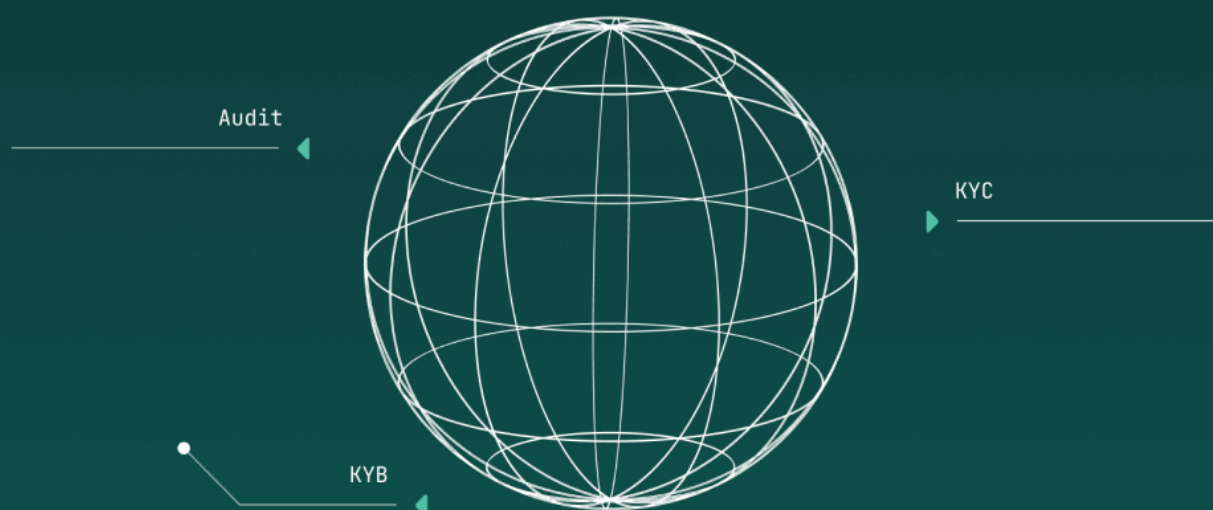
BLOO COIN

COMPLETED ON
JULY 13, 2022

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OVERVIEW

This audit has been prepared for Bloo Coin to review their Smart Contract Code and Security. This audit report aims to help investors make an informative decision during the project research.

In this report, you will find a summarized review of the following key points:
✓ Contract's source code
✓ Contract's function
✓ Owner's wallets
✓ Important Technical Stats
✓ Good Practices
✓ Recommendation

This document may contain confidential information about IT systems and the intellectual property of the Customer as well as information about potential vulnerabilities and methods of their exploitation.

The report containing confidential information can be used internally by the Customer, or it can be disclosed publicly after all vulnerabilities are fixed — upon a decision of the Customer.

▶ This Audit report DOES NOT guarantee nor reflect the outcome and goal of the project.

▶ DAudit's audit process only guarantees that the smart contract code has been verified not to have security breaches.

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Table Of Content

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CONTRACT INFORMATION

Token Name	**Symbol**
BLOO	BLC
Contract Name	**Type**
BLOO	ERC-20

Website

https://bloocoin.org/

Technical Documentation

https://docs.bloocoin.org/

Contract Address

0xd56d87bF632181f8E2B8a800dc75ceD8
7a2b9757

Network

Polygon

Language

Solidity

Compiler Version

v0.8.13+commit.abaa5c0e

Optimization

Yes with 777 runs

Decimals

18

Total Supply

480,000 BLC

DAUDIT CONTRACT REVIEW PROCESS

Smart Contract Code review process:
✓ Testing the smart contracts against both common and uncommon vulnerabilities.
✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
✓Ensuring contract logic meets the specifications and intentions of the client.
✓ Cross-referencing contract structure and implementation against similar smart contracts produced by industry leaders.
✓ Thorough line-by-line manual review of the entire codebase by industry experts.

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PROJECT TECHNICAL INFORMATION

(AS OF JULY 13rd, 2022)

STATUS:

HAVEN'T LAUNCHED YET

Owner Address	0xf516d22eca3220f99fd236aaac4bad9b0ca8f3ac

LIQUIDITY
Status: Not added yet

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IMPORTANT STATS

TAX	OWNER CAN SET FEES
Owner can't set taxes	Owner can't set fees

MAX TX AMOUNT	OWNERSHIP
Owner can't set max tx amount	Owner can renounce or transfer ownership

MINT FUNCTION	PAUSE
Owner can mint unlimited tokens.	Owner can't pause trading

BLACKLIST	WHITELIST
Owner can't set blacklist	Owner can't set whitelist to avoid transaction fee

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VULNERABILITY CHECK

CODE REVIEW

Design Logic	Passed
Compiler Warnings	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle Calls	Passed
Front Running	Passed
DoS with block gas limit	Passed
DoS with Revert	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event Log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

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VULNERABILITY CHECK

FUNCTION REVIEW

Business Logics Review Functionality Checks	Not Passed
Access Control & Authorization	Passed
Escrow manipulation	Passed
Token Supply manipulation	Passed
Assets integrity	Passed
User Balances manipulation	Passed
Data Consistency manipulation	Passed
Kill - Switch Mechanism Operation Trails & Event Generation	Passed

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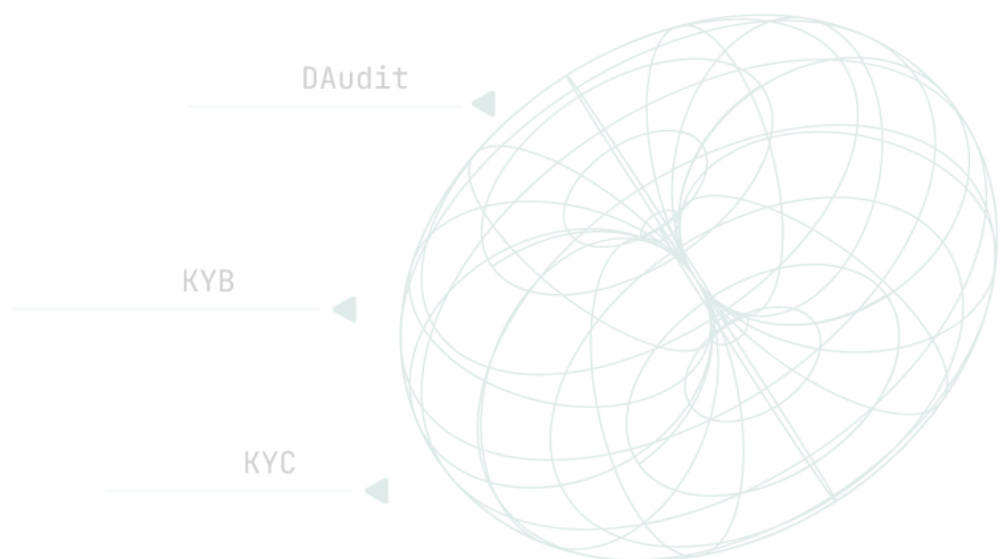
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RISK LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

Critical

Critical vulnerabilities are usually straightforward to exploit and can lead to asset loss or data manipulations.

High

High-level vulnerabilities are difficult to exploit; however, they also have a significant impact on smart contract execution, e.g., public access to crucial functions

Medium

Medium-level vulnerabilities are important to fix; however, they can't lead to asset loss or data manipulations.

Low

Low-level vulnerabilities are mostly related to outdated, unused, etc. code snippets that can't have a significant impact on execution.

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RISK FOUND 01

CRITICAL ────────────────────

Owner can mint unlimited tokens.

```solidity
function mintBloo() external onlyOwner {
    _mint(_owner, mintAmount);
}
```

```solidity
function mint(uint256 amount) external onlyOwner returns (bool) {
    _mint(_msgSender(), amount);
    return true;
}
```

```solidity
function _mint(address account, uint256 amount) internal {
    require(account != address(0), "ERC20: mint to the zero address");

    _totalSupply = _totalSupply.add(amount);
    _balances[account] = _balances[account].add(amount);
    emit Transfer(address(0), account, amount);
}
```

Recommendation:

It is recommended to follow the whitepaper to set a maximum mint limit of 12,000,000

Token Name:	BLOO COIN
Token Ticker	BLC
Token Platform:	POLYGON
Token Standard:	ERC20
Max. Supply (Hard Cap):	12,000,000

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RISK FOUND 02

MEDIUM _____

Anyone that the user approves can burn their tokens

```
function burn(address account, uint256 amount) external {
  _burn(account, amount);
  _approve(account, _msgSender(), _allowances[account][_msgSender()].sub(amount, "ERC20: burn amount exceeds allowance"));
}
```

Recommendation:

Users should consider carefully before performing approve function.

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BLOO COIN GOOD PRACTICES FOUND

1

The owner cannot pause trading

2

The owner cannot stop or pause the contract.

3

The smart contract utilizes "SafeMath" to prevent overflows.

4

The owner cannot limit transaction amount.

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ABOUT DAUDIT

DAudit offers Smart Contract vulnerability and quality testing services at a rapid pace to ensure that projects do not fall behind the market.

Experienced	Fast	Careful	Affordable
A group of experienced blockchain developers built many successful DApp applications and are familiar with security flaws.	Within 6 hours, the audit report will be on your desk! We also have professional consultation and support staff available around the clock.	We deeply analyze the smart contracts line by line and cover the smart contracts with both automated and manual testing.	Affordable We provide the most competitive price in the industry, with audit reports ranging from $500 to $1,000, KYC services start at $1000, and KYB services start at $2,000

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DISCLAIMER

DAudit Disclaimer

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The smart contracts submitted for audit were examined in accordance with best industry practices at the time of this report in terms of cybersecurity vulnerabilities and issues in smart contract source code, which are detailed in this report (Source Code); the Source Code compilation, deployment, and functionality (performing the intended functions).

The audit makes no claims or guarantees about the code's security. It also cannot be deemed an adequate appraisal of the code's utility and safety, bug-free status, or any other contractual assertions. While we did our best in completing the study and generating this report, it is crucial to emphasize that you should not rely only on this report; we advocate doing many independent audits and participating in a public bug bounty program to assure smart contract security.

The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed

Technical Disclaimer

Smart Contracts are deployed and executed on a blockchain platform. The platform, its programming language, and other software related to the smart contract can have vulnerabilities that can lead to hacks. Thus, the audit can't guarantee the explicit security of the audited smart contracts.