



# Cyberscope

## Audit Report

# **gamercoin**

May 2024

Network    ETH

Address    0x728f30fa2f100742C7949D1961804FA8E0B1387d

Audited by    © cyberscope

# Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

# Table of Contents

<b>Analysis</b>	<b>1</b>
<b>Table of Contents</b>	<b>2</b>
<b>Review</b>	<b>3</b>
Audit Updates	3
Source Files	3
<b>Findings Breakdown</b>	<b>5</b>
<b>Functions Analysis</b>	<b>6</b>
<b>Inheritance Graph</b>	<b>7</b>
<b>Flow Graph</b>	<b>8</b>
<b>Summary</b>	<b>9</b>
<b>Disclaimer</b>	<b>10</b>
<b>About Cyberscope</b>	<b>11</b>

## Review

Contract Name	GamerCoin
Compiler Version	v0.7.1+commit.f4a555be
Optimization	200 runs
Explorer	<a href="https://etherscan.io/address/0x728f30fa2f100742c7949d1961804fa8e0b1387d">https://etherscan.io/address/0x728f30fa2f100742c7949d1961804fa8e0b1387d</a>
Address	0x728f30fa2f100742c7949d1961804fa8e0b1387d
Network	ETH
Symbol	GHX
Decimals	18
Total Supply	808,000,000

## Audit Updates

Initial Audit	01 May 2024
---------------	-------------

## Source Files

Filename	SHA256
contracts/GamerCoin.sol	53732b14319bc5c28c4f67e7c61ec3c5da d0b6879a9670dc42fe963428333db4
@openzeppelin/contracts/utils/Address.sol	405463588905f07e67a5337d4fc462aff87e 8d723639dfb587fc24f07e516e34
@openzeppelin/contracts/token/ERC20/IERC20.sol	663bde8def619689c9f219a5774486f1770 f3be73411f1fe3ad9071c098c76a4

<b>@openzeppelin/contracts/token/ERC20/ERC20Burnable.sol</b>	617ab3ab6342dff6599001037d724066ae1a8346fe9560b8ad13c401a9d2b288
<b>@openzeppelin/contracts/token/ERC20/ERC20.sol</b>	dc5c7776b80796d6b29a6911cda877be533cf196b274bd20657390173152e31a
<b>@openzeppelin/contracts/math/SafeMath.sol</b>	fe67cffc488d9fae5f95e150a3507b7b0881d05388172b965a97c34b417c1a1b
<b>@openzeppelin/contracts/GSN/Context.sol</b>	0eab6752673103821ac048e9e247d038e1ba9d126c7a24cec9a6aa728345fb4c

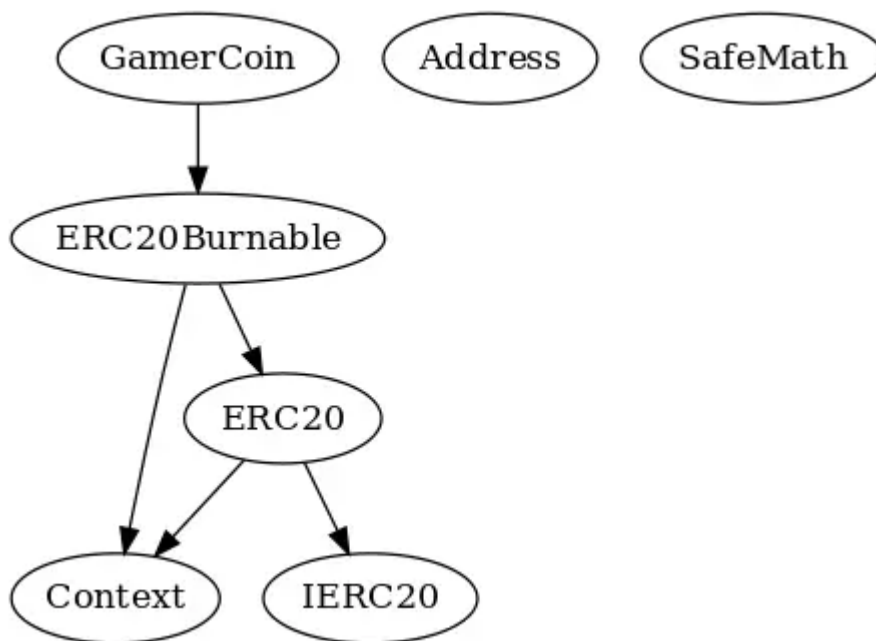
## Findings Breakdown

Severity	Unresolved	Acknowledged	Resolved	Other
● Critical	0	0	0	0
● Medium	0	0	0	0
● Minor / Informative	0	0	0	0

## Functions Analysis

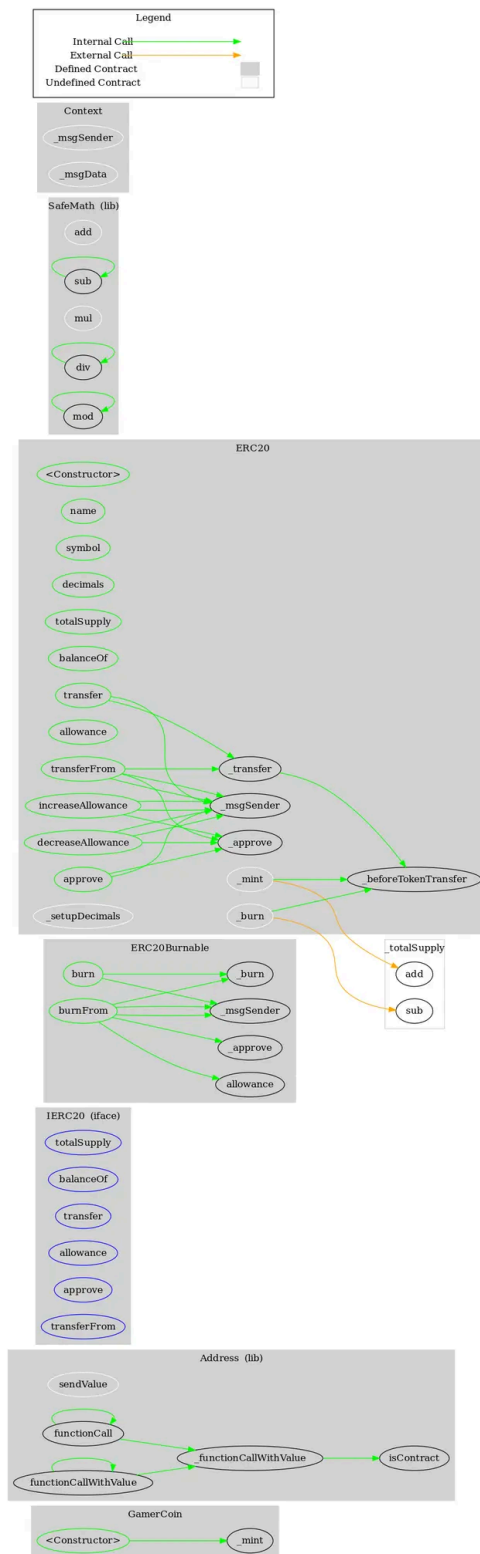
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
GamerCoin	Implementation	ERC20Burnable		
		Public	✓	ERC20

## Inheritance Graph





# Flow Graph



## Summary

gamercoin contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. gamercoin is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues.

## Disclaimer

The information provided in this report does not constitute investment, financial or trading advice and you should not treat any of the document's content as such. This report may not be transmitted, disclosed, referred to or relied upon by any person for any purposes nor may copies be delivered to any other person other than the Company without Cyberscope's prior written consent. This report is not nor should be considered an "endorsement" or "disapproval" of any particular project or team. This report is not nor should be regarded as an indication of the economics or value of any "product" or "asset" created by any team or project that contracts Cyberscope to perform a security assessment. This document does not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technologies proprietors' business, business model or legal compliance. This report should not be used in any way to make decisions around investment or involvement with any particular project. This report represents an extensive assessment 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.

Blockchain technology and cryptographic assets present a high level of ongoing risk. Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security. Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis. Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives, false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

# About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



**The Cyberscope team**

<https://www.cyberscope.io>