



Part of Tibereum Group

AUDITING REPORT

Version Notes

Version	No. Pages	Date	Revised By	Notes
1.0	Total: 14	2021-03-28	MrTeaThyme, Zapmore	Audit Draft
2.0	Total: 14	2021-03-29	MrTeaThyme, Zapmore	Final Audit

Audit Notes

Audit Date	2021-03-26 - 2021-03-28
Auditor/Auditors	MrTeaThyme, Plemonade
Auditor/Auditors Contact Information	tibereum-obelisk@protonmail.com
Notes	Specified code and contracts are audited for security flaws. UI/UX (website), logic, team, and tokenomics are not audited.
Audit Report Number	OB58687410

Disclaimer

This audit is not financial, investment, or any other kind of advice and is for informational purposes only. This report is not a substitute for doing your own research and due diligence. Obelisk is not responsible or liable for any loss, damage, or otherwise caused by reliance on this report for any purpose. Obelisk has based this audit report solely on the information provided by the audited party and on facts that existed before or during the audit being conducted. Obelisk is not responsible for any outcome, including changes done to the contract/contracts after the audit was published. This audit is fully objective and only discerns what the contract is saying without adding any opinion to it. The audit is paid by the project but neither the auditors nor Obelisk has any other connection to the project and has no obligations other than to publish an objective report. Obelisk will always publish its findings regardless of the outcome of the findings. The audit only covers the subject areas detailed in this report and unless specifically stated, nothing else has been audited. Obelisk assumes that the provided information and material was not altered, suppressed, or misleading. This report is published by Obelisk, and Obelisk has sole ownership of this report. Use of this report for any reason other than for informational purposes on the subjects reviewed in this report including the use of any part of this report is prohibited without the express written consent of Obelisk.

Obelisk Auditing

Binance Smart Chain (BSC) launched in fall 2020 as a faster and cheaper alternative to Ethereum. Since then BSC has seen exponential growth to a point where there are a multitude of new projects created every day. In a fast phased world like this, there will also be an enormous amount of scams. The scams have become so elaborate that it's hard for the common investor to trust a project, even though it could be legit. We saw a need for creating high-quality audits at a fast phase to keep up with the constantly expanding market. With the Obelisk stamp of approval, a legitimate project can easily grow its user base exponentially in a world where trust means everything. Obelisk Auditing consists of a group of security experts that specialize in security and structural operations, with previous work experience from among other things, PricewaterhouseCoopers. All our audits will always be conducted by at least two independent auditors for maximum security and professionalism.

As a comprehensive security firm, Obelisk provides all kinds of audits and project assistance.

Table of Content

Version Notes	2
Audit Notes	2
Disclaimer	2
Obelisk Auditing	3
Project Information	5
Executive Summary	6
Summary Table	7
Result of Audit	7
Introduction	8
Findings	9
Manual Analysis	9
N/A	9
On-Chain Analysis	10
N/A	10
Appendix A - Reviewed Documents	11
Appendix B - Risk Ratings	12
Appendix C - Icons	12
Appendix D - Testing Standard	13

Project Information

Project Name	BingoCash
Description	Bingo Cash Finance is the AlgoStable coin protocol built on the Binance Smart Chain ("BSC") for casino gaming.
Contact	BingoCash
Contact information	@BingoCashCommunity on Telegram
Token Name(s)	Bingo Share Bingo Cash Bingo Bond
Token Short	sBGO/BGO/bBGO
Contract(s)	N/A
Code Language	Solidity
Chain	Binance Smart Chain (BSC)

Executive Summary

The audit of BingoCash was conducted by two of Obelisks' security experts between the 26th of March 2021 and the 28th of March 2021. There was a comprehensive analysis conducted, targeting the provided smart contracts. This audit was focused on the Treasury and Boardroom contracts, other contracts have not been analyzed. The contracts audited are the live contracts that are used in production.

After finishing the full audit, Obelisk auditing can say that there were no critical security issues with the audited contracts (Treasury & Boardroom) from BingoCash. This means that there were no findings of malicious code that could be used either by an outsider or the team to liquidate the projects or some parts of it. There is also a Timelock in place. The team has not reviewed the UI/UX, logic, team, or tokenomics of the BingoCash project.

Please read the full document for a complete understanding of the audit.

Summary Table

Severity	Found	Mitigated	Still Open
High Risk	0	0	0
Medium Risk	0	0	0
Low Risk	0	0	0
Informational	0	0	0
Total	0	0	0

Audited Part	Status	Note	Mitigated
N/A	N/A	N/A	N/A

Result of Audit

The result of this audit is: **PASS**

Introduction

Obelisk was commissioned by BingoCash on the 25th of March 2021 to conduct a comprehensive audit of their Treasury and Boardroom Contracts. The following audit was conducted between the 26th of March 2021 and the 28th of March 2021 and delivered on the 29th of March 2021. Two of Obelisks security experts went through the related contracts using industry-standards to find if any vulnerabilities could be exploited.

The comprehensive test was conducted in a specific test environment that utilized exact copies of the published contract. The auditors also conducted a manual visual inspection of the code to find security flaws that automatic tests would not find.

While conducting the audit, the Obelisk security team uses best practices to ensure that the reviewed contracts are thoroughly examined against all angles of attack. This is done by evaluating the codebase and whether it gives rise to significant risks. During the audit, Obelisk assesses the risks and assigns a risk level to each section together with an explanatory comment.

The audit concluded without any findings worth noting. The published Boardroom and Treasury contracts adhere to the expected security measures that are expected. There is also a TimeLock in place with a 24h lock.

Findings

Manual Analysis

N/A

SEVERITY	N/A
LOCATION	N/A

DESCRIPTION	N/A
RECOMMENDATION	N/A
MITIGATED	N/A

On-Chain Analysis

N/A

SEVERITY	N/A
DESCRIPTION	N/A
RECOMMENDATION	N/A
MITIGATED	N/A




Appendix A - Reviewed Documents

Document	Address
Boardroom.sol	0xc9525f505040fec4b754407De72d7bCf5a8f78F
Treasury.sol	0x2518a413B256D2A3d3ad823048185E265caC9aCe

Appendix B - Risk Ratings

Risk	Description
High Risk	A fatal vulnerability that can cause immediate loss of Tokens / Funds
Medium Risk	A vulnerability that can cause some loss of Tokens / Funds
Low Risk	A vulnerability that can be mitigated
Informational	No vulnerability

Appendix C - Icons

Icon	Explanation
	Solved by Project Team
	Under Investigation of Project Team
	Unsolved

Appendix D - Testing Standard

An ordinary audit is conducted using these steps.

1. Gather all information
2. Conduct a first visual inspection of documents and contracts
3. Go through all functions of the contract manually (2 independent auditors)
 - a. Discuss findings
4. Use specialized tools to find security flaws
 - a. Discuss findings
5. Follow up with project lead of findings
6. If there are flaws, and they are corrected, restart from step 2
7. Write and publish a report

During our audit, a thorough investigation has been conducted employing both automated analysis and manual inspection techniques. Our auditing method lays a particular focus on the following important concepts:

- Ensuring that the code and codebase use best practices, industry standards, and available libraries.
- Testing the contract from different angles ensuring that it works under a multitude of circumstances.
- Analyzing the contracts through databases of common security flaws.

Follow Obelisk Auditing for the Latest Information



ObeliskOrg



ObeliskOrg



Part of Tibereum Group