



**DEFI SENTRY**  
BLOCKCHAIN SECURITY

# AUDIT REPORT BANKX

In this Security Audit we will go in depth on the security of the code of BankX. Anything of interest is recorded in this report. Check out the table of contents for more information.

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## Summary

This is the in depth audit of BankX's smart contracts done by Defi Sentry.

**February 3,  
2023**







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## SUMMARY

This report has been prepared for BankX to discover issues and vulnerabilities in the source code of their project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Automatic and Manual Review techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- 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.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices. We suggest recommendations that could better serve the project from the security perspective:

- Enhance general coding practices for better structures of source codes
- Add enough unit tests to cover the possible use cases
- Provide more comments per each function for readability, especially contracts that are verified in public
- Provide more transparency on privileged activities once the protocol is live.



# EXECUTIVE SUMMARY

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## WHAT WE DISCOVERED

### OVERVIEW

After conducting a scan on the audit, we have found 0 issues with the executable code of BankXNFT.sol and NFTBonus.sol. However, if we look at the interface code used by Solidity, there were a few issues regarding requirements and versions. In other words, there is sufficient evidence from Defi Sentry to pass BankX on these contracts.

### RECOMMENDATIONS

There are no risks identified in the BankXNFT.sol and NFTBonus.sol files.



# ADDITIONAL FINDINGS

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All our findings are listed with the contract-name and description.

**BankXNFT.sol**

*No issues found.*

**NFTBonus.sol**

*No issues found.*



# How To Interpret Findings

A decorative graphic consisting of several overlapping, wavy, horizontal bands in various shades of blue, ranging from light blue to dark navy. The bands flow from the left side of the page towards the right, creating a sense of movement and depth.

BankXNFT.sol and NFTBonus.sol pass all security checks for DeFi Sentry's Smart Contract Auditing Process.



# DISCLAIMER

The information in this audit report objectively describes the smart contracts being audited, and points out logical and mathematical errors, security risks and vulnerabilities, and optimization opportunities in the audited code. This audit does not ensure the correctness or authenticity of any software or dApp that interacts with or claims to interact with any smart contract.

This audit report does not constitute any advice whatsoever. You are solely responsible for conducting your own due diligence and consulting your financial advisor before making any investment decisions. While our audits raise the level of security, reliability, mathematical accuracy, and logical soundness of the smart contracts reviewed, they do not amount to any form of warranty or guarantee that the reviewed smart contracts are void of any weaknesses, vulnerabilities, or bugs. Defi Sentry and its founders, employees, owners, and associates are not liable for any damage or loss of funds. Please ensure trust in the team prior to investing as this audit does not guarantee the promised use of your funds.