



BNBWINERY
Smart Contract Security Audit

Date 25/April/2022

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cyber security vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below— please make sure to read it in full.

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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.

Purpose

This document details DragonAudits findings and recommended solutions This audit was performed on April 25,2022.We audited and deployed contract. At the time of our audit, the contract's ownership had not been renounced.

Website	www.bnbwinery.com
Name of the Project	BNB WINERY
ContractAddress	0x26977F3887e4A5761451772315a268411f4C2deA
BSC Explorer	https://bscscan.com/address/0x26977f3887e4a5761451772315a268411f4c2dea#code

Findings

NO.	Audit Items	Audit Subclass	Audit SubclassResult
1	OverflowAudit	N/A	Passed
2	Race Conditions Audit	N/A	Passed
3	Authority Control Audit	Permission Vulnerability Audit Excessive Auditing Authority	Passed Passed
4	Safe Design Audit	Zeppelin Module Safe Compiler Version Hard-coded Version Fallback Function Safe use Show Coding Security Function Return Value Security Call Function Security	Passed Passed Passed Passed Passed Passed Passed
5	Denial of Service Audit	N/A	Passed
6	Gas Optimization Audit	N/A	Passed
7	Design Logic Audit	N/A	Passed
8	Malicious Event Log Audit	N/A	Passed
9	"False Deposit" Vulnerability Audit	N/A	Passed
10	Uninitialized Storage Pointers Audit	N/A	Passed
11	Arithmetic Accuracy Deviation Audit	N/A	Passed

High Severity Issues

- The system used is called ROI and must be considered HIGH-RISK
Users' principal deposits cannot be withdrawn, users can get dividends and referral commission.
Dividends are paid from deposits of other users. Do always invest with proper knowledge and investigation

Medium Severity Issues

- None.

Low Severity Issues

- None.

Independent description of the smart-contract functionality:

The BNBWINERY smart contract provides the opportunity to invest any amount in BNB in the contract and get daily profit on investment if the contract balance has enough funds for payment. All dividends are calculated at the moment of request and available for withdrawal anytime

Contract Owner's Fee

Deposit (BuyWine) Fee: 2%

Withdraw (DrinkWine) Fee: 3%

Investment Plan

The basic interest rate approximately will be 10.2%

The daily rate will be changed based on the deposit and withdrawal of the other users.

Referral System (Match Bonus)

The contract pays a 14% referral commission over one level.

The commission is 14% of the referral deposit or Aging Wine

The commission will be paid as Wine that users can withdraw or compound it

Users can not use their wallet as a referral for themselves

If a user has not had a valid referrer, the owner will be set as the referrer

Deposit (Buy Miner)

Users can buy miners by BNB token. Miner price will be calculated at the time of deposit.

Miner Price Formula: $\text{Deposit amount} / (\text{Deposit amount} + \text{Contract Balance}) * \text{barwine}$

Miners will produce Wine and users can drink wine to earn a profit.

Miners will work forever and users can withdraw profit until the contract has enough balance.

barwine

It is an amount that will be defined in the initial of the contract and will be changed by deposit, withdrawal and compound.

The initial amount is: 86400000000

20% of each deposit or compound will be added to "barwine"

The withdrawal amount will be added to "barwine"

An increase in the "barwine" will reduce the daily rate and increase sustainability

Withdraw (drinkwine)

Users can drink wine produced by the miners.

Withdraw amount (BNB) Formula: $\text{user wine} / (\text{user wine} + \text{barwine}) * \text{Contract Balance}$

userwine : each miner will produce one Wine each second

Miners produce Wine maximum of 10 days. Users should try to withdraw or compound their produced Wine.

After withdrawal or compound, miners will start working again.

Users can withdraw or compound many times without any limit

Compound (Aging)

Users can compound their available Wine and buy more miners.

Miner price will be calculated based on the mentioned formula in the deposit section and real-time numbers of barwine and contract balance

Conclusion

The BNBWINERY Smart-Contract found no vulnerabilities, no backdoors, and no scam scripts.

The code was tested with compatible compilers and simulated manually reviewed for all commonly known and specific vulnerabilities.

So, BNBWINERY Smart-Contract is safe for use in the Binance Smart Chain main network.

Dragon Audits note:

Please check the disclaimer above and note, the audit is provided 'as-is' and makes no statements or warranties whatsoever. The report is provided only for the contract(s) mentioned in the report.