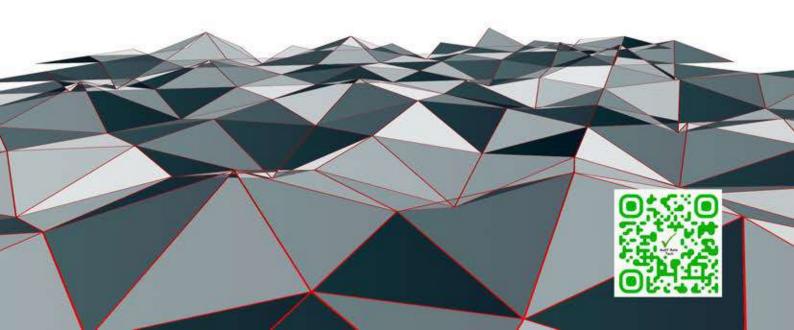
Smart Contract Security Audit AUDIT RATE TECH for SEVI LABS







Overview

Ownership :

- Owned

Set fees:

- Can set fees max up to 15% for buy and 15% for sell

Mint functions:

- Owner cannot mint tokens

Max tx amount:

- Can set max tx amount >= 0.1% of Total Supply
 and max tokens per wallet >= 0.5% of Total Supply
 Stop or pause trading:

- Cannot set

Blacklist:

- Can blacklist

Proxy:

- No

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 cybersecurity 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 below disclaimer below – please make sure to read it in full.

DISCLAIMER: By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and AUDIT RATE TECH and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (AUDIT RATE TECH) owe no duty of care towards you or any other person, nor does AUDIT RATE TECH make any warranty or representation to any person on the accuracy or completeness of the report. The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and AUDIT RATE TECH hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, AUDIT RATE TECH hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against AUDIT RATE TECH, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report.

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.

Audit details:

Audited project: SEVI LABS

Total supply: 10,000,000,000,000

Token ticker: SEVI

Decimals: 18

Contract address: 0xD663DF5DDb0AcE7a2176862b27AE75B5F72EfE9f

Languages: Solidity (Smart contract)

Platforms and Tools: Remix IDE, Truffle, Truffle Team, Ganache, Solhint, VScode, Mythril,

Contract Library

Compiler Version: v0.8.17+commit.8df45f5f

Optimization Enabled: Yes with 200 runs

Contract Deployer Address: 0x01e68736c1a49bB639251dfb75e88968A50b5222

Blockchain: Binance Smart Chain

Project website: https://sevilabmetaverse.net/

The audit items and results:

(Other unknown security vulnerabilities are not included in the audit responsibility scope)

Audit Result: Passed

Audit Date: March 08, 2023

Audit Team: AUDIT RATE TECH

https://www.auditrate.tech/

Introduction

This Audit Report mainly focuses on the overall security of SEVI LABS Smart Contract. With this report, we have tried to ensure the reliability and correctness of their smart contract by complete and rigorous assessment of their system's architecture and the smart contract codebase.

Auditing Approach and Methodologies applied

The AUDIT RATE TECH team has performed rigorous testing of the project starting with analyzing the code design patterns in which we reviewed the smart contract architecture to ensure it is structured and safe use of third-party smart contracts and libraries.

Our team then performed a formal line by line inspection of the Smart Contract to find any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

In the Unit testing Phase, we coded/conducted custom unit tests written for each function in the contract to verify that each function works as expected.

In Automated Testing, we tested the Smart Contract with our in-house developed tools to identify vulnerabilities and security flaws.

The code was tested in collaboration of our multiple team members and this included -

- Testing the functionality of the Smart Contract to determine proper logic has been followed throughout the whole process.
- Analyzing the complexity of the code in depth and detailed, manual review of the code, lineby-line.
- Deploying the code on testnet using multiple clients to run live tests.
- Analyzing failure preparations to check how the Smart Contract performs in case of any bugs and vulnerabilities.
- Checking whether all the libraries used in the code are on the latest version.
- Analyzing the security of the on-chain data.

Audit Goals

The focus of the audit was to verify that the Smart Contract System is secure, resilient and working according to the specifications. The audit activities can be grouped in the following three categories: Security

Identifying security related issues within each contract and the system of contract.

Sound Architecture

Evaluation of the architecture of this system through the lens of established smart contract best practices and general software best practices.

Code Correctness and Quality

A full review of the contract source code. The primary areas of focus include:

- Accuracy
- Readability
- Sections of code with high complexity
- Quantity and quality of test coverage

Issue Categories

Every issue in this report was assigned a severity level from the following:

High level severity issues

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium level severity issues

Issues on this level could potentially bring problems and should eventually be fixed.

Low level severity issues

Issues on this level are minor details and warnings that can remain unfixed but would be better fixed at some point in the future.

Manual Audit:

For this section the code was tested/read line by line by our developers. We also used Remix IDE's JavaScript VM and Kovan networks to test the contract functionality.

Automated Audit

Remix Compiler Warnings

It throws warnings by Solidity's compiler. If it encounters any errors the contract cannot be compiled and deployed. No issues found.

Issues Checking Status

SWC ID	Description	Checking status
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed

Owner privileges

807 Contract_SetUp_01__Fees_on_Buy 841 Contract_SetUp_02__Fees_on_Sell 905 Contract SetUp 03 Wallet Limits 935 Contract_SetUp_04__Bot_Protection 953 Contract_SetUp_05__Open_Trade 985 Contract SetUp 06 Blacklist Bots 1018 Options__Deflationary_Burn 1040 Options__No_Fee_Wallet_Transfers 1048 Options__Deactivate_Launch_Mode 1081 Rewards__Exclude_From_Rewards 1097 Rewards__Distribution_Triggers 1112 Rewards__Set_Gas 1136 Project Update Wallets 1168 Project__Update_Links 1194 Maintenance__Remove_Contract_Fee 1220 Maintenance__Add_Liquidity_Pair 1247 Maintenance__Transfer_Ownership 1257 Maintenance__Renounce_Ownership 1279 Processing__Auto_Process 1286 Processing__Process_Now 1296 Processing__Swap_Trigger_Count 1304 Processing__Remove_Random_Tokens 1330 Wallet_Settings__Exclude_From_Fees 1342 Wallet_Settings__Exempt_From_Limits 1352 Wallet_Settings__Pre_Launch_Access

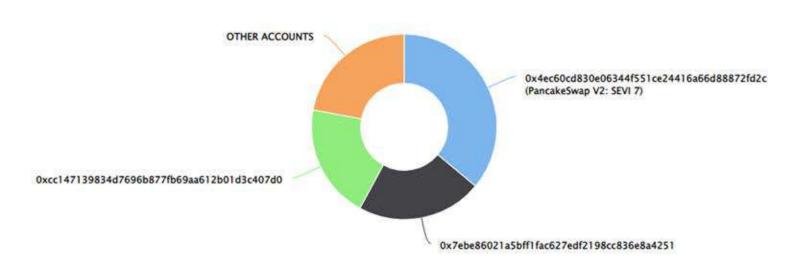
Top Token Holders

At the time of the audit

The top 3 holders collectively own 77.94% (7,794,199,881,212.91 Tokens) of SEVI LABS Token Total Supply: 10,000,000,000,000.00 Token | Total
Token Holders: 41

SEVI LABS Top 3 Token Holders

Source: BscScan.com



(A total of 7,794,199,881,212.91 tokens held by the top 3 accounts from the total supply of 10,000,000,000,000,000 token)

Rank	Address	Quantity (Token)	Percentage
1	PancakeSwap V2 SEVI 7	3,605,119,794,109.113969770699295777	36.0512%
2	0x7ebe86021a5bff1fac627edf2198cc836e8a4251	2,187,080,087,103.798693443019598354	21.8708%
3	①xcc147139834d7696b877fb69aa612b01d3c407d0	2,002,000,000,000	20.0200%

KYC/Doxx

Verified by



Conclusion

Owner can set max fees up to 15% for buy and 15% for sell

```
function Contract_SetUp_01__Fees_on_Buy(uint256 BNB_on_BUY, uint256 Liquidity_on_BUY,
   uint256 Burn on BUY, uint256 Tokens on BUY, uint256 Rewards on BUY) external onlyOwner {
   _Fee__Buy_Contract = ContractFee; // Buyer Protection: Max Fee 15% (Includes 1% Contract Fee)
   require (BNB_on_BUY + Liquidity_on_BUY + Burn_on_BUY + Tokens_on_BUY + Rewards_on_BUY +
      Fee Buy Contract <= 15, "E03");
   // Update Fees
                   = BNB_on_BUY; _Fee__Buy_Liquidity = Liquidity_on_BUY;
   _Fee__Buy_BNB
                   = Burn_on_BUY; _Fee__Buy_Tokens = Tokens_on_BUY;
   Fee Buy Burn
   _Fee__Buy_Rewards = Rewards on BUY;
  // Fees For Processing
   _SwapFeeTotal_Buy = _Fee__Buy_BNB + _Fee__Buy_Liquidity + _Fee__Buy_Rewards +
_Fee__Buy_Contract;
   emit updated_Buy_fees(_Fee__Buy_BNB, _Fee__Buy_Liquidity, _Fee__Buy_Burn, _Fee__Buy_Tokens, _
Fee Buy Rewards, Fee Buy Contract);
function Contract_SetUp_02__Fees_on_Sell( uint256 BNB_on_SELL, uint256 Liquidity_on_SELL,
   uint256 Burn on SELL, uint256 Tokens on SELL, uint256 Rewards on SELL ) external onlyOwner {
   Fee Sell Contract = ContractFee;
   // Seller Protection: Max Fee 15% (Includes 1% Contract Fee) require (BNB_on_SELL + Liquidity_on_SELL +
      Burn_on_SELL + Tokens_on_SELL + Rewards_on_SELL + Fee__Sell_Contract <= 15, "E04");
   // Update Fees
   _Fee__Sell_BNB
                   = BNB_on_SELL; _Fee__Sell_Liquidity = Liquidity_on_SELL;
_Fee__Sell_Burn
                 = Burn_on_SELL; _Fee__Sell_Tokens = Tokens_on_SELL;
   Fee Sell Rewards = Rewards on SELL;
  // Fees For Processing
   _SwapFeeTotal_Sell = _Fee__Sell_BNB + _Fee__Sell_Liquidity + _Fee__Sell_Rewards +
Fee Sell Contract;
   emit updated_Sell_fees(_Fee__Sell_BNB, _Fee__Sell_Liquidity, _Fee__Sell_Burn, _Fee__Sell_Tokens,
Owner cannot mint token
Owner can set max tx amount >= 0.1\% of
  Total Supply and max tokens per wallet >= 0.5%
  of Total Supply
```

```
function Contract_SetUp_03__Wallet_Limits( uint256 Max_Tokens_Each_Transaction, uint256 Max_Total_Tokens_Per_Wallet ) external onlyOwner { if (LaunchMode || !Trade_Open) { // During LaunchMode, wallets can be limited to 0.1% of initial supply require(Max_Tokens_Each_Transaction >= _iTotal / 1000 / 10**_decimals, "E05"); require(Max_Total_Tokens_Per_Wallet >= _iTotal / 1000 / 10**_decimals, "E06"); } else { // After LaunchMode, min possible limits are 0.5% of initial supply require(Max_Tokens_Each_Transaction >= _iTotal / 200 / 10**_decimals, "E07"); require(Max_Total_Tokens_Per_Wallet >= _iTotal / 200 / 10**_decimals, "E08"); } max_Tran = Max_Tokens_Each_Transaction * 10**_decimals; max_Hold = Max_Total_Tokens_Per_Wallet * 10**_decimals; emit updated_Wallet_Limits(max_Tran, max_Hold); }
```

Owner cannot pause trading Owner can blacklist

```
function Contract_SetUp_06__Blacklist_Bots(address Wallet, bool true_or_false) external onlyOwner {
    if (true_or_false) {
        require(BlacklistWallets, "E10");
        }
        _isBlacklisted[Wallet] = true_or_false;
```

Note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner. The analysis of the contract does not give complete security and includes only the analysis that is indicated in the report. We do not analyze locked tokens or LP tokens, the presence of KYC in other companies, and so on. Also, our audit is not a recommendation for investment. All responsibility for the loss of investment lies with you!