



# Valid Proof

Bring trust into your projects

**Blockchain Security | Smart Contract Audits | KYC**

# Audit

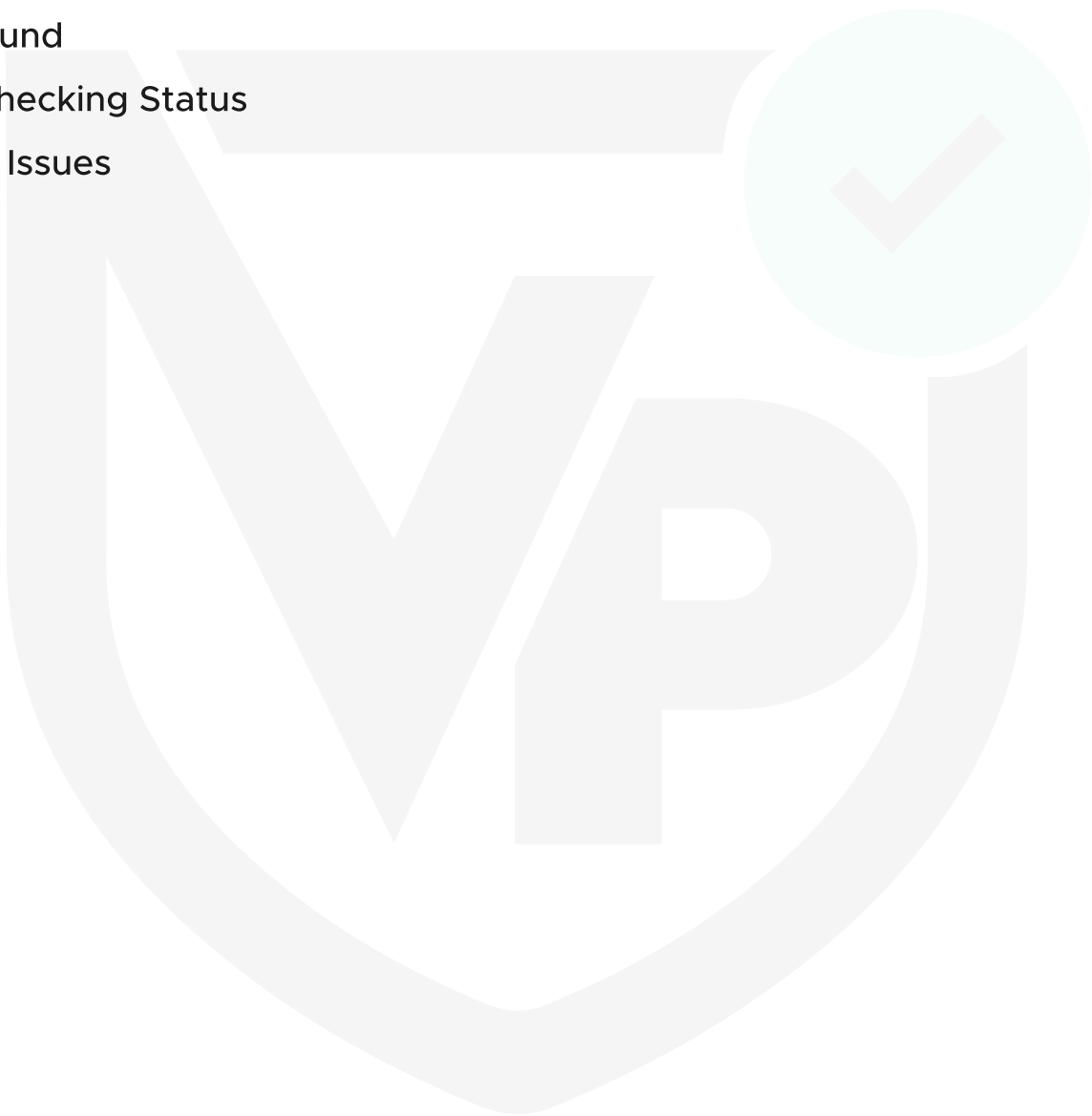
## Security Assessment

December 2021

For



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# Disclaimer

Valid Proof reports are not, nor should be considered, an “endorsement” or “disapproval” of any particular project or team. These reports are not, nor should be considered, an indication of the economics or value of any “product” or “asset” created by any team. Valid Proof do not cover testing or auditing the integration with external contract or services (such as Unicrypt, Uniswap, PancakeSwap etc’...)

Valid Proof Audits do not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technology proprietors. Valid Proof Audits should not be used in any way to make decisions around investment or involvement with any particular project. These reports in no way provide investment advice, nor should be leveraged as investment advice of any sort.

Valid Proof Reports represent an extensive auditing 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. Valid Proof’s position is that each company and individual are responsible for their own due diligence and continuous security. Valid Proof in no way claims any guarantee of security or functionality of the technology we agree to analyze.

Version	Date	Description
1.0	December 2021	<ul style="list-style-type: none"><li>• Layout project</li><li>• Automated- /Manual-Security</li><li>• Testing</li><li>• Summary</li></ul>

## Network

Binance Smart Chain (BEP20)

## Website

<https://sunflowerfi.org/>

## Telegram

<https://t.me/SunflowerFinance>

## Twitter

<https://twitter.com/SunFlowerFiSFO>

## GitHub

<https://github.com/sunflowerfinance>



## Description

Sunflower Finance is the first project on the BSC system that has the function of creating development funds for potential projects - Seeds Tank. Our target is to build the largest technology ecosystem in BSC and to render SFO (sunflowerfi.org) the top 1 token BEP-20 in the DEFI sector within one year.

Sunflower Finance seeks out small to medium-sized projects with great development potential and then offers financial capital for them in exchange for a portion of their products to be distributed to SFO holders

## Project Engagement

During the 10th of December 2021, Sunflower Finance engaged Valid Proof to audit smart contracts that they created. The engagement was technical in nature and focused on identifying security flaws in the design and implementation of the contracts. They provided Valid Proof with access to their code repository and whitepaper.

## Logo



## Contract Link

**v1.0**

Contract: <https://bscscan.com/>

[address/0x3295fde99976e6b6b477e6834b2651a22deb1dd7](https://bscscan.com/address/0x3295fde99976e6b6b477e6834b2651a22deb1dd7)

# Background

**Valid Proof was commissioned by Council of Apes to perform an audit of smart contracts:**

<https://bscscan.com/address/0x3295fde99976e6b6b477e6834b2651a22deb1dd7>

**The purpose of the audit was to achieve the following:**

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

# Issues Checking Status

Issue description	Checking status
1. Compiler errors.	<b>PASSED</b>
2. Race conditions and Reentrancy. Cross-function race Passed conditions.	<b>PASSED</b>
3. Possible delays in data delivery.	<b>PASSED</b>
4. Oracle calls.	<b>PASSED</b>
5. Front running.	<b>PASSED</b>
6. Timestamp dependence.	<b>PASSED</b>
7. Integer Overflow and Underflow.	<b>PASSED</b>
8. DoS with Revert.	<b>PASSED</b>
9. DoS with block gas limit.	<b>PASSED</b>
10. Methods execution permissions.	<b>PASSED</b>
11. Economy model of the contract.	<b>PASSED</b>
12. The impact of the exchange rate on the logic.	<b>PASSED</b>
13. Private user data leaks.	<b>PASSED</b>
14. Malicious Event log.	<b>PASSED</b>
15. Scoping and Declarations.	<b>PASSED</b>
16. Uninitialized storage pointers.	<b>PASSED</b>
17. Arithmetic accuracy.	<b>PASSED</b>
18. Design Logic.	<b>PASSED</b>
19. Cross-function race conditions	<b>PASSED</b>
20. Safe Open Zeppelin contracts implementation and Passed usage.	<b>PASSED</b>
21. Fallback function security.	<b>PASSED</b>

## Audit Results

# AUDIT PASSED



## Security Issues



### High Severity Issues

No high severity issues found.



### Medium Severity Issues

No medium severity issues found.



### Low Severity Issues

No low severity issues found.





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