



# SMART CONTRACT SECURITY AUDIT

---

WATCHTOWER

# AUDIT DETAILS



## Project Name

Dex Labs



## Contract address

0x18B57A558e9fEBBa7f30C79f71fB44D5348B207c



## Deployer Address:

0x789f3672BC9B735f5fbf4EA4633c9E5CfBE1a96b



## Blockchain

Binance Smart Chain



## Project website:

<https://dexlabs.app>



# DISCLAIMER

Watchtower has completed this report to provide a summary of the Smart Contract functions, and any security, dependency or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as at the date of this report. In order to understand the full scope of our analysis, it is vital for you to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against Watchtower or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your own independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

**DISCLAIMER:** By perusing this report or any portion of it, you concur to the terms of this disclaimer. In the unlikely situation where you do not concur to the terms, you should immediately terminate reading this report, and erase and discard any and all duplicates of this report downloaded and/or printed by you. This report is given for data purposes as it were and on a non-reliance premise, and does not constitute speculation counsel. No one should have any right to depend on the report or its substance, and Watchtower and its members (including holding companies, shareholders, backups, representatives, chiefs, officers and other agents) Watchtower and its subsidiaries owe no obligation of care towards you or any other person, nor does Watchtower make any guarantee or representation to any individual on the precision or completeness of the report.

## ABOUT THE AUDITOR:

Watchtower is an Anti-Scam Token Utility which reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity.

Watchtowers Development Team consists of a number of Smart Contract creators, Auditors Developers and Blockchain experts.

Watchtowers Website Scanner reviews a number of Risk factors to provide an adequate Risk summary of token projects.

In Addition to this the team also helps with Creation of Smart Contracts for legitimate projects, Audits and Promotion.





# OVERVIEW

Watchtower was contracted by Dex Labs (\$DEXL) to complete a Smart Contract audit

**The objective of the Audit is to achieve the following:**

- Provide an Overview and Summary of the Token project.
- Review Team competency and identify risks
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or in any way provide financial advice and if you choose to invest you accept that you have done so of your own accord.

(<https://www.cryptowatchtower.io/>)



# SMART CONTRACT REVIEW



Contract Created on 08.02.2021

Contract name	Dex Labs
Contract address	0x18B57A558e9fEBBa7f30C79f71fB44D5348B207c
Total supply	100,000,000
Token ticker	\$DEXL
Decimals	18
Token holders	1
Transactions count	0
Top 5 holders dominance	Not Launched
Tax fee	0%
Total fees	0%
Contract deployer address	0x789f3672BC9B735f5fbf4EA4633c9E5CfBE1a96b
Contract's current owner address	0xdc826833e230b206d061fe31525e9ed8f8db6173



# Dex Labs Overview

## Project Details:

Dex Labs aims to build an ICO platform/Launchpad on the Binance Smart Chain with a range of products and services for Cryptocurrency enthusiasts.

In addition to the Launchpad it will offer Farming/Staking options, Token lockers, a Bulksender and a fintech news platform to provide regular updates of the Market.

It is designed to be a One stop shop for farming, staking, launching tokens and keeping updated on market news.

## Tokenomics:

Starting Supply: 100,000,000 (100 Million)

No Tokenomics taxes evident in contract.

Token Distribution as portrayed in Whitepaper:

30% Staking Rewards

10% Private Sale

20% Public Sale

15% Liquidity

10 Marketing

10% Team

5% Airdrop

## Team Review:

The Dex Labs team has not yet been doxxed and we are unable to provide a comprehensive review in this area.

The website however has been developed, although there are still areas to be improved. The Website has a Staking platform with a Wallet connect web3 app.

The White paper references the correct terminology for a Staking Platform.

All Socials including Telegram, Reddit, Github and Medium referenced which provides confidence.

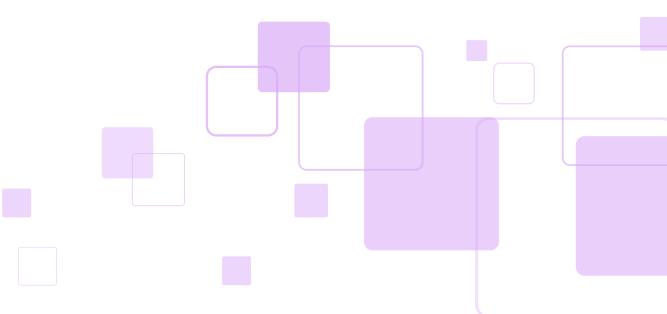
Watchtower Believes the project to be genuine considering it's early stage of development.





# CONTRACT FUNCTIONS DETAILS

## FUNCTIONS (PUBLIC)

- 1. Approve
  - 2. Increase Allowance
  - 3. Decrease Allowance
  - 4. Transfer (To, From)
  - 5. Transfer (From, To)
- 



## Function Risks

Upon review of Smart Contract Coding and Functions available for the Owner to change Watchtower is satisfied that no malicious coding has been found.

Note: The contract version and functionality is limited and provides security since the owner cannot manipulate, Mint or change the contract functions.

The contract essentially can be renounced as there are no functions required to be called, however there is no renounce functionality either.

Provided the Owners Lock or burn the Liquidity pool Tokens, along with locking the Marketing and Team Wallets, Watchtower does not find any basis of scamming activity and passes this Smart Contract review.



## Imported Libraries / Interfaces

- Context
- IERC20
- IERC20 Metadata
- SafeMath
- ERC20
- ERC20Detailed
- Address
- SafeERC20

## Overview

1. ADDITION OF COMMENTS:	7
2. CALL STACK DEPTH ATTACK:	10
3. TIME STAMP DEPENDENCY:	10
4. PARTY MULTISIG BUG:	10
5. USE OF LIBRARIES/DEPENDENCIES (FROM TRUSTED SOURCES):	7
a. TRANSACTION-ORDERING DEPENDENCY:	10
6. ACCESS CONTROL AND AUTHORIZATION:	10
7. REENTRANCY ATTACKS:	10
8. ERC/BEP STANDARD VIOLATIONS:	10
9. USAGE OF VISIBILITY LEVELS:	10



# ISSUES CHECKING STATUS



Issue description	Checking status
1. Compiler errors.	Passed
2. Race conditions and Reentrancy. Cross-function race conditions.	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed



Issue description	Checking status
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design Logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage.	Passed
21. Fallback function security.	Passed



# SECURITY ISSUES



## High Severity Issues

No High Severity Issues found.



## Medium Severity Issues

No Medium Severity issues found.



## Low Severity Issues

Newer Solidity Version available.

# CONCLUSION

Upon review of the Project, the Smart Contract and it's functions, Watchtower deems the Smart Contract as safe and void of any malicious coding.

The Smart Contract owner has limited functions access which provides confidence in the projects intentions.

The Staking pools are evident with an operating Web3 wallet connect function conveying work has been done on the Platform.

There are no major severity issues however the contract can benefit from a newer Solidity version.

## **Watchtower note:**

*Please check the disclaimer above and note, this Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or in any way provide financial advice, please invest at your own risk.*

*(<https://www.cryptowatchtower.io/>)*

## Contact Us

 @Watchtower\_WTW

 Watchtower-WTW

 Watchtowercrypto

