



## AUDIT REPORT

# SecureWise

## SMART CONTRACT AUDIT



<https://github.com/securewise>



<https://t.me/securewise>



<https://securewise.info/>



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# Disclaimer

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# Overview

**Token Name:** WinionsArena (WBA)

**Methodology:** Automated Analysis, Manual Code Review

**Language:** Solidity

**Contract Address:** 0x2b725dE4Eae800FBF47286E7af1813086DDE161c

**ContractLink:** <https://bscscan.com/address/0x2b725dE4Eae800FBF47286E7af1813086DDE161c>

**Network:** Binance Smart Chain (BSC)

**Decimals:** 18

**Supply:** 1.000.000.000

**Website:** <https://winionsarena.io/>

**Twitter:** <https://twitter.com/winionsarena>

**Telegram:** <https://t.me/winionsarena>

**Report Date:** July 17, 2022

# Quick Result

SecureWise has applied the automated and manual analysis of Smart Contract and were reviewed for common contract vulnerabilities and centralized exploits

## Owner Privileges

**There is no issue**



**WinionsArena (WBA)** has succesfully **PASSED** the smart contract audit

# Auditing Approach and Methodologies

SecureWise has performed starting with analyzing the code, issues, code quality, and libraries. Reviewed line-by-line by our team. Finding any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

## Methodology

- Understanding the size, scope and functionality of your project's source code
- Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- Testing and automated analysis of the Smart Contract to determine proper logic has been followed throughout the whole process
- Deploying the code on testnet using multiple live test
- Analyzing a program to determine the specific input that causes different parts of a program to execute its functions.
- Checking whether all the libraries used in the code are on the latest version.

## Goals

Smart Contract System is secure, resilient and working according to the specifications and without any vulnerabilities.



## Risk Classification














































**High:** Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, of the contract and its functions. Must be fixed as soon as possible.

**Medium:** Bugs or issues with that may be subject to exploit, though their impact is somewhat limited. Must be fixed as soon as possible.

**Low:** Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.

# Automated Analysis

Symbol	Meaning
	Function can modify state
	Function is payable

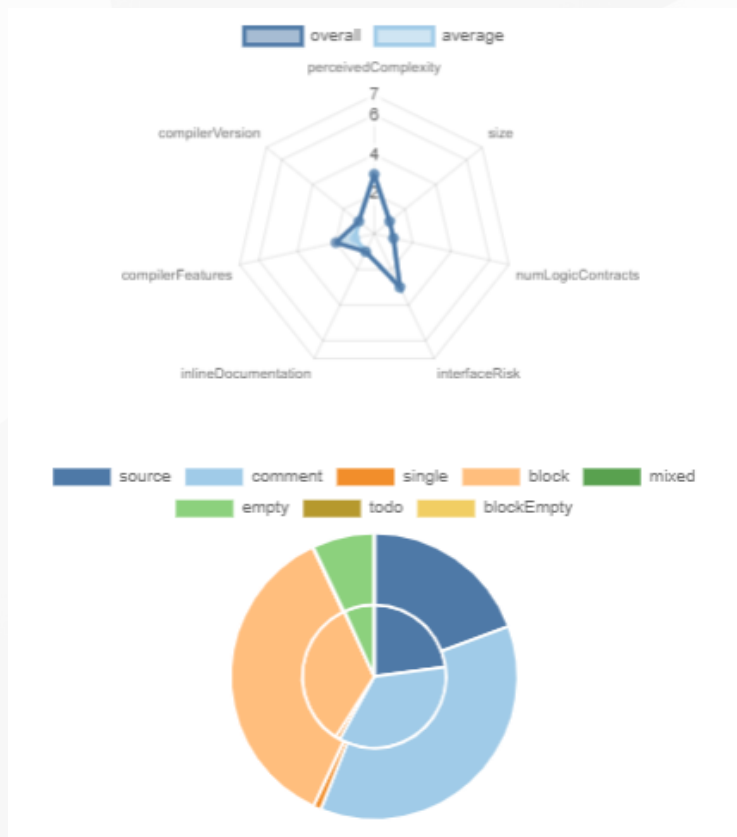
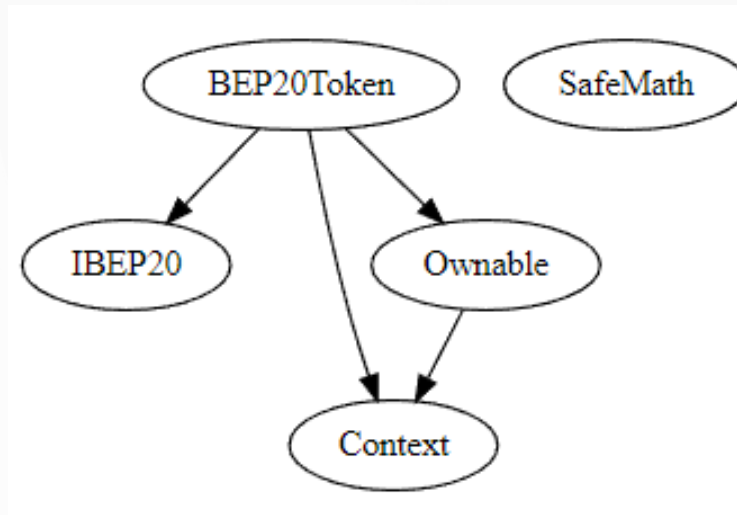
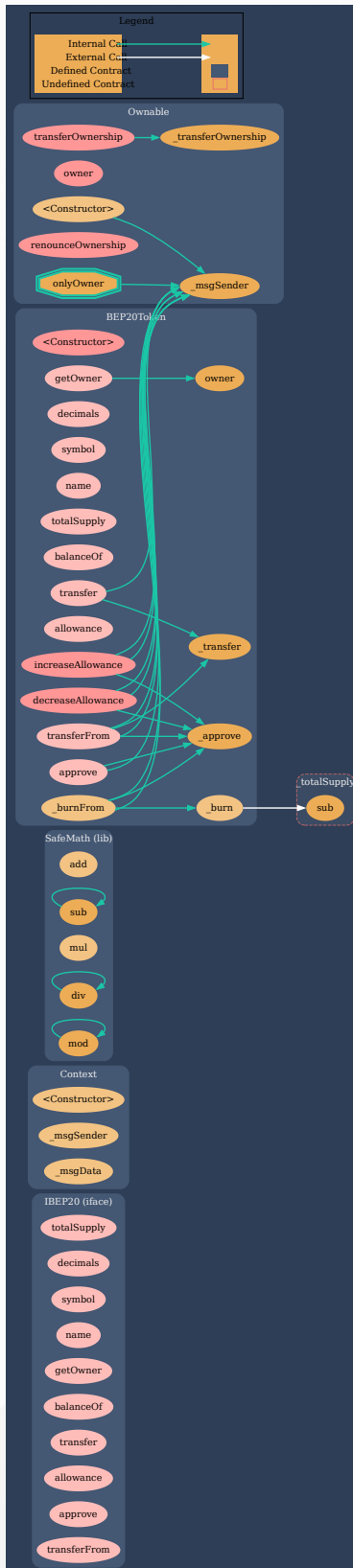
<b>IBEP20</b>	Interface			
L	totalSupply	External 		NO 
L	decimals	External 		NO 
L	symbol	External 		NO 
L	name	External 		NO 
L	getOwner	External 		NO 
L	balanceOf	External 		NO 
L	transfer	External 		NO 
L	allowance	External 		NO 
L	approve	External 		NO 
L	transferFrom	External 		NO 
<b>Context</b>	Implementation			
L		Internal 		
L	_msgSender	Internal 		
L	_msgData	Internal 		
<b>SafeMath</b>	Library			
L	add	Internal 		
L	sub	Internal 		
L	sub	Internal 		
L	mul	Internal 		
L	div	Internal 		
L	div	Internal 		
L	mod	Internal 		
L	mod	Internal 		
<b>Ownable</b>	Implementation	Context		
L		Internal 		
L	owner	Public 		NO 
L	renounceOwnership	Public 		onlyOwner
L	transferOwnership	Public 		onlyOwner
L	_transferOwnership	Internal 		

# Automated Analysis

BEP20Token	Implementation	Context, IBEP20, Ownable		
L		Public !	●	NO !
L	getOwner	External !		NO !
L	decimals	External !		NO !
L	symbol	External !		NO !
L	name	External !		NO !
L	totalSupply	External !		NO !
L	balanceOf	External !		NO !
L	transfer	External !	●	NO !
L	allowance	External !		NO !
L	approve	External !	●	NO !
L	transferFrom	External !	●	NO !
L	increaseAllowance	Public !	●	NO !
L	decreaseAllowance	Public !	●	NO !
L	_transfer	Internal 🔒	●	
L	_burn	Internal 🔒	●	
L	_approve	Internal 🔒	●	
L	_burnFrom	Internal 🔒	●	



# Inheritance Graph



# Contract Summary

Logic Contracts	Interfaces	Lines	nLines	nSLOC	Comment Lines	Complex. Score	Capabilities
4	1	568	497	176	332	138	
4	1	568	497	176	332	138	

### Components

Contracts	Libraries	Interfaces	Abstract
3	1	1	0

### Exposed Functions

This section lists functions that are explicitly declared public or payable. Please note that getter methods for public stateVars are not included.

Public	Payable
26	0

External	Internal	Private	Pure	View
20	35	0	8	17

### StateVariables

Total	Public
7	0

### Capabilities

Solidity Versions observed	Experimental Features	Can Receive Funds	Uses Assembly	Has Destroyable Contracts	
0.5.16					
Transfers ETH	Low-Level Calls	DelegateCall	Uses Hash Functions	ECRrecover	New/Create/Create2
TryCatch	Σ Unchecked				




# Manual Review

**There is no issue**

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