

TechRate
May, 2024



SMART CONTRACTS SECURITY AUDIT REPORT



Techrate_audits



Techrate



Techrate1

Audit Details



Audited project

Awebo



Deployer address

0x30faBC5a7a94c1cf964A0A3C7AF6177c93229429



Client contacts:

Awebo team



Blockchain

Base



Project website:

awebotoken.com

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 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.

Background

TechRate was commissioned by Awebo to perform an audit of smart contracts:

- <https://basescan.org/address/0x12c128c7540704f3e9bbdb0d1873dac6de362c69#code>
- awebop2pxaudit.sol (Not deployed)

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.	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
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

No low severity issues found.

Notes:

- Be careful about token liquidity because default sell price is set to 0 and selling starts with actual value.
- setBalance() function doesn't emit any event.
- setFees() function includes owner back to maximum transaction amount restriction.
- Old marketing address is not included back to restrictions.
- The withdrawal feature was removed. Now there is no way to recover tokens sent by mistake.
- _swapAndTransferETH() function swaps native tokens to AWEBO and then back from AWEBO to native tokens to send them to seller.

Owner privileges (In the period when the owner is not renounced)

- AWEBODividendTracker:
 - Owner can exclude from dividends.
 - Owner can change claimWait value.
 - Owner can change minimumTokenBalanceForDividends.
 - Owner can call setBalance() and processAccount() functions.
- AWEBO:
 - Owner can change fees.
 - Owner can change pairToSwap address.
 - Owner can change uniswapV2Router.
 - Owner can exclude from fees and maximum transaction amount.
 - Owner can add/remove addresses in _automatedMarketMakerPairs array.
 - Owner can change dividendTrackers claimWait value.
 - Owner can exclude from dividends.
 - Owner can enable/disable swapAndLiquify.
 - Owner can change marketingWallet address.
 - Owner can change swapTokensAtAmount value.
 - Owner can change maxBuySellTransactionAmount value.
 - Owner can burn self tokens.
- P2PAWEBO:
 - Owner can change fee.
 - Owner can change marketingAddress.

Testnet deployment

Contracts Description Table

Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
AWEBO	Implementation	ERC20, Ownable		
L	transfer	External !		NO !
L	approve	External !		NO !
L	claim	External !		NO !
P2PAWEBO	Implementation	Ownable		
L	sellToken	External !		lock
L	takeOffToken	External !		lock
L	setTokenAmountPrice	External !		NO !
L	buyToken	External, payable !		lock

Legend

Symbol	Meaning
	Function can modify state
	Function is payable

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details are NOT provided by the team.

Security score: 82.

TechRate 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.