



# MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

## SECURITY ASSESSMENT

# ASPO WORLD TOKEN AUDIT REPORT

2021

25 NOV 2021

## SECURITY ASSESMENT

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# SECURITY ASSESMENT

## SUMMARY

This report has been prepared for Aspo World to discover issues and vulnerabilities in the source code of the Aspo World project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Static Analysis, Manual Review, and Test net Deployment techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices. We suggest recommendations that could better serve the project from the security perspective:

- Enhance general coding practices for better structures of source codes;
- Add enough unit tests to cover the possible use cases given they are currently missing in the repository;
- Provide more comments per each function for readability, especially contracts are verified in public;
- Provide more transparency on privileged activities once the protocol is live.



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# 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.

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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.



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# SECURITY ASSESSMENT

# BACKGROUND

MotechAudit was commissioned by Aspo World to perform an audit of smart contracts:

<https://bscscan.com/address/0x1a9b49e9f075c37fe5f86c916bac9deb33556d7e>

The purpose of the audit was to achieve the following:

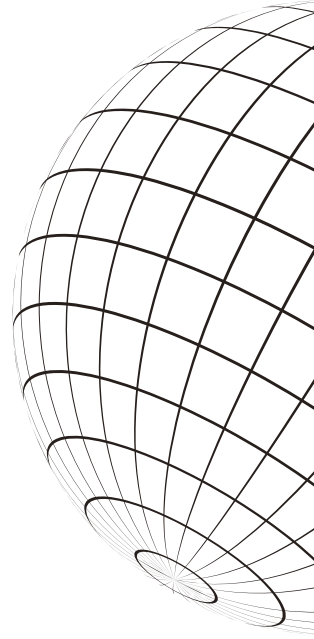
- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

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.



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# AUDIT DETAILS



## AUDITED PROJECT

Aspo World



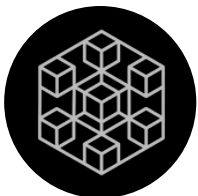
## DEPLOYER ADDRESS

0xa40ECc57c89e43D2aE0f2958Eaf2848ecbA9dB31



## CLIENT CONTACTS:

Aspo Team



## BLOCKCHAIN

BSC Project



## WEBSITE:

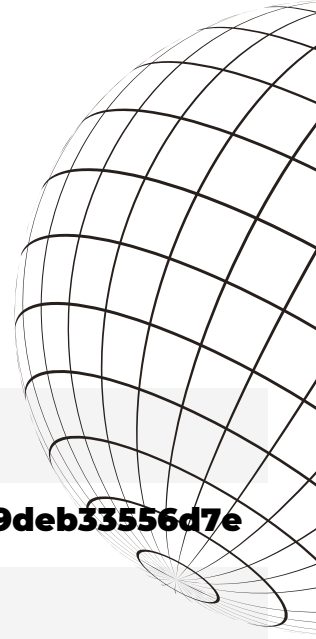
<https://aspo.world/>



## SECURITY ASSESSMENT

# CONTRACT DETAILS

### Token contract details for Oct-07-2021



<b>Contract name</b>	<b>Cryptia</b>
<b>Contract address</b>	<b>0x1a9b49e9f075c37fe5f86c916bac9deb33556d7e</b>
<b>Total supply</b>	<b>500,000,000 ASPO</b>
<b>Token ticker</b>	<b>ASPOToken (ASPO)</b>
<b>Decimals</b>	<b>18</b>
<b>Token holders</b>	<b>6,721</b>
<b>Transactions count</b>	<b>56,446</b>
<b>Top 100 holders dominance</b>	<b>99.4399%</b>
<b>Contract deployer address</b>	<b>0xa40ECc57c89e43D2aE0f2958Eaf2848ecbA9dB31</b>
<b>Contract's current owner address</b>	<b>0xa40ECc57c89e43D2aE0f2958Eaf2848ecbA9dB31</b>

## SECURITY ASSESMENT

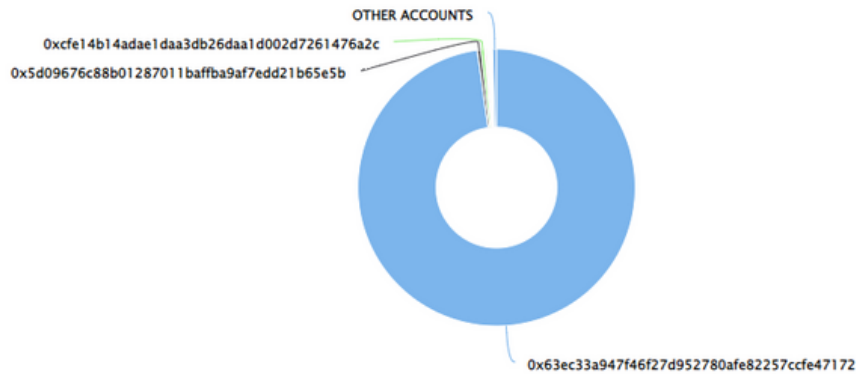
# ASPO TOKEN DISTRIBUTION

The top 100 holders collectively own 99.56% (497,777,122.59 Tokens) of ASPOToken

Token Total Supply: 500,000,000.00 Token | Total Token Holders: 6,719

ASPOToken Top 100 Token Holders

Source: BscScan.com



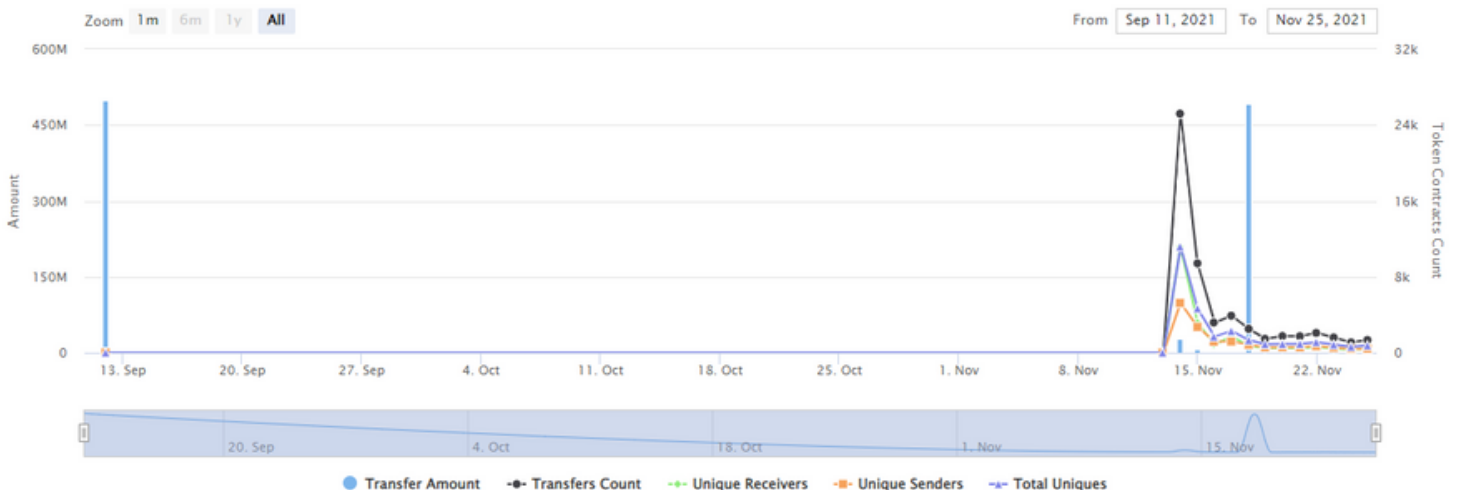
(A total of 497,777,122.59 tokens held by the top 100 accounts from the total supply of 500,000,000.00 token)

## ASPO TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Sun 12, Sept 2021 - Thu 25, Nov 2021

Token Contract 0x1a9b49e9f075c37fe5f86c916bac9deb33556d7e (ASPOToken)  
Source: BscScan.com















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## SECURITY ASSESSMENT

# TOP 10 TOKEN HOLDERS

Rank	Address	Quantity	Percentage	Analytics
1	 0x63ec33a947146f27d952780afe82257ccfe47172	489,000,000	97.8000%	
2	0x5d09676c88b01287011baffba9af7edd21b65e5b	2,080,000	0.4160%	
3	0xcfe14b14adae1daa3db26daa1d002d7261476a2c	1,920,000	0.3840%	
4	0 added72462ca6415b82b994f5e23a5b8d9456177dd	714,285.7	0.1429%	
5	0x3f7442ed1d52923d920e2b8e103a2cd3c18d8f86	571,428.6	0.1143%	
6	ASPO World: Deployer	535,070	0.1070%	
7	 PancakeSwap V2: ASPO-BUSD 4	404,323.980724143814203777	0.0809%	
8	0xe44f9eb4928612efc6ccf9d0fda3a8b4a6a32b6c	200,000.1	0.0400%	
9	0x512c7ee11bedacba6a1d62c7b1e63027845db054	185,715.3	0.0371%	
10	0xb009e6a3ae71a5894a06b465e218ba43dee1ddd1	108,671.930591428471239782	0.0217%	

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

# SECURITY ASSESSMENT

# SECURITY ISSUES

## ✓ High Severity Issues

No high severity issues found.

## ✓ Medium Severity Issues

No high severity issues found.

### Low Severity Issues

#### 1. Too many digits.

Literals with many digits are difficult to read and review.

**Contract:** ASPOToken.sol

**Function:** constructor

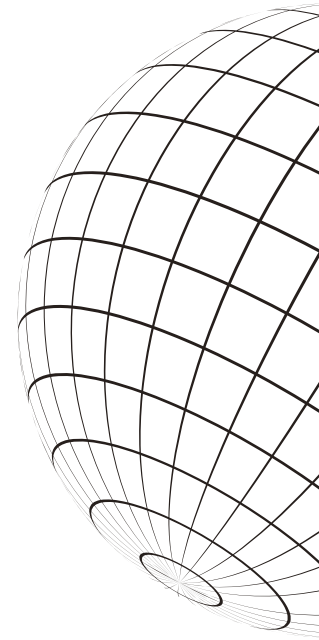
**Recommendation:** While it's already deployed, nothing needs to be changed. But for the future, we'd recommend using scientific notation with ether units suffix. For example: 500e6 ether

#### 2. No tokens distributions.

While it is described in the Whitepaper and having the Vesting contract, there is no tokens distribution coded anywhere.

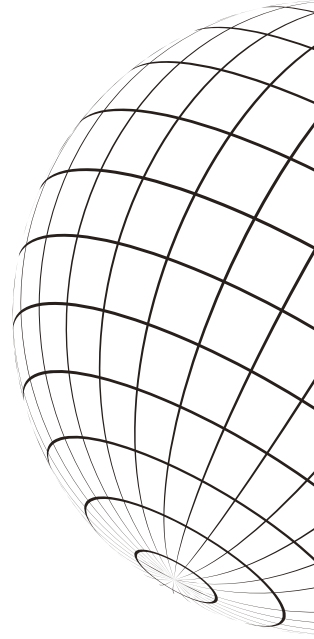
**Contract:** ASPOTokenVesting.sol

**Recommendation:** We'd recommend coding the tokens distribution with vesting directly into the smart contract, so anyone could be ensured that right after the minting tokens would be distributed accordingly.



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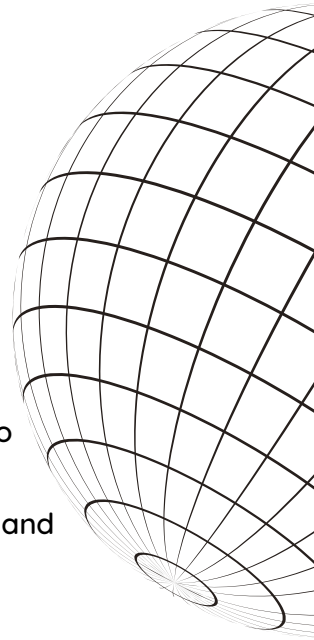
# SECURITY ASSESMENT TOKEN LOGO



# SECURITY ASSESMENT CONCLUSION

Smart contracts contain owner privileges!

Motech Audit 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.



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