



# Altmoon

\$ALTM

BSC

defi

**Contract:**

0x83a5.....6554a2

## Issues

## Found

## Fixed

- Critical
- Medium
- Minor
- Informational

0  
0  
0  
2

0  
0  
0  
0

# 9.6/10

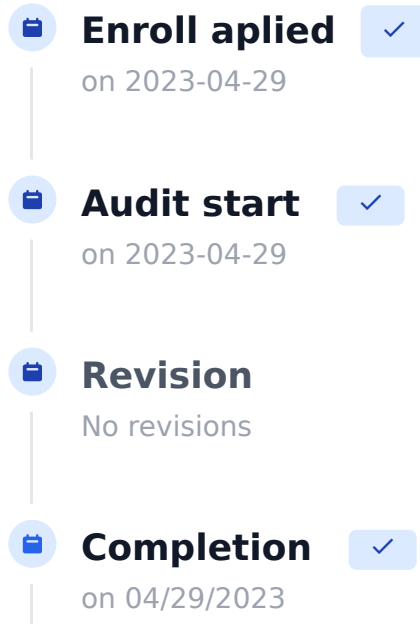
**AUDIT PASSED** 

## Project Description

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An assisted growth path, a community driven approach, and an ambitious ecosystem - Altmoon's journey will begin come May 2023. Further details on the project, its presale and upcoming launch will be released in due course.

## Project details



Language: **Solidity**

Contract address: **0x83...54a2**

Owner: **0x4c...4808**

SHA-256:  
**cce...a2b**

Supply: **10,000,000**

Decimals: **18**

Deployer: **0x4c...4808**

Chain: **Binance Smart Chain**

Compiler: **v0.8.9+commit.e5eed63a**

Optimization: **Yes with 200 runs**

License: **MIT**

Verified: **Yes**

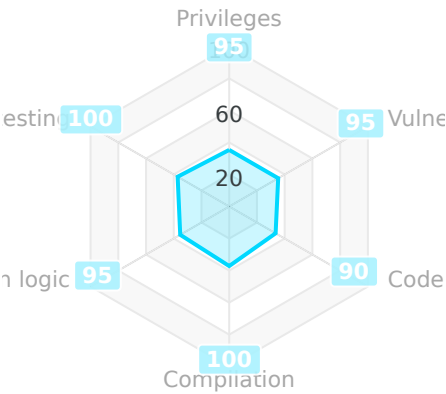
Contract type: **bep-20**

Contract Name: **Altmoon**

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Overview

Doge Inu 



 **Minting**   
Can't mint new tokens

 **Blacklist**   
Can't blacklist

 **Ownership**  
Renounced

 **Honeypot**  
No honeypot detected

 **Buy fees**   
9%, can't be changed

 **Sell fees**   
9%, can't be changed

 **Proxy**   
No proxy contract detected

 **Max tx amount**   
Can't set maxTx

 **Trading Cooldown**  
No cooldown

 **Anti Bot**

 **Pause** 

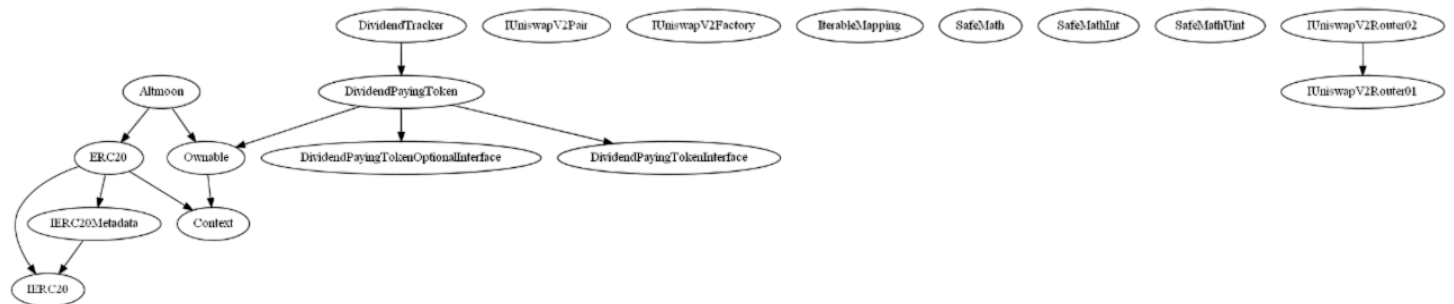
## Hidden Owner

● Safe

● Caution advised

- Be careful

● Extreme caution



▼ Contracts and libraries collapse ^

```
| **Context** | Implementation | |||
| **IUniswapV2Pair** | Interface | |||
| **IUniswapV2Factory** | Interface | |||
| **IterableMapping** | Library | |||
| **IERC20** | Interface | |||
| **IERC20Metadata** | Interface | IERC20 |||
| **ERC20** | Implementation | Context, IERC20, IERC20Metadata |||
| **DividendPayingTokenOptionalInterface** | Interface | |||
| **DividendPayingTokenInterface** | Interface | |||
| **SafeMath** | Library | |||
| **Ownable** | Implementation | Context |||
| **SafeMathInt** | Library | |||
```

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```
| **SafeMathUint** | Library |   |||
| **IUniswapV2Router01** | Interface |   |||
| **TIluniswanV2Router02** | Interface | TIluniswanV2Router01 |||
```

## ▼ Modifiers [collapse](#)

Contract IUniswapV2Pair

| +-----+          |           |  |
|------------------|-----------|--|
| Function         | Modifiers |  |
| +-----+          |           |  |
| name             | []        |  |
| symbol           | []        |  |
| decimals         | []        |  |
| totalSupply      | []        |  |
| balanceOf        | []        |  |
| allowance        | []        |  |
| approve          | []        |  |
| transfer         | []        |  |
| transferFrom     | []        |  |
| DOMAIN_SEPARATOR | []        |  |
| PERMIT_TYPEHASH  | []        |  |
| .                |           |  |

## ▼ Constructor calls [collapse](#)

```
#####
##### Altmoon #####
#####
```

## Constructor Call Sequence

- ERC20
- Ownable
- Altmoon

## Constructor Definitions

### ERC20

```
    constructor(string memory name_, string memory symbol_) {
        _name = name_;
    }
```

## ▼ Requires [collapse](#)

Contract IUniswapV2Pair

| +-----+  |                   |  |
|----------|-------------------|--|
| Function | require or assert |  |
| +-----+  |                   |  |

|  |                  |  |  |
|--|------------------|--|--|
|  | name             |  |  |
|  | symbol           |  |  |
|  | decimals         |  |  |
|  | totalSupply      |  |  |
|  | balanceOf        |  |  |
|  | allowance        |  |  |
|  | approve          |  |  |
|  | transfer         |  |  |
|  | transferFrom     |  |  |
|  | DOMAIN_SEPARATOR |  |  |
|  | PERMIT_TYPEHASH  |  |  |

## Findings

### High Severity

No high severity issues found

### Medium Severity

No medium severity issues found

### Low Severity

No low severity issues found

### Informational

#### ▼ Floating pragma

**Lines:** 7

**Description:** Contracts should be deployed with the same compiler version and flags that they have been tested with thoroughly. Locking the pragma helps to ensure that contracts do not accidentally get deployed using, for example, an outdated compiler version that might introduce bugs that affect the contract system negatively.

**Possible remediation:** Lock the pragma version and also consider known bugs (<https://github.com/ethereum/solidity/releases>) for the compiler version that is chosen.

#### ▼ Dead code

**Lines:** #571

**Description:** SafeMath is no longer needed starting with Solidity 0.8. The compiler now has built in overflow checking

**Possible remediation:** Remove the library

## SWC Vulnerabilities

▼ 36/37 tests passed collapse ^

| Code #  | Name                                                | Result | Severity      |
|---------|-----------------------------------------------------|--------|---------------|
| SWC-100 | Function Default Visibility                         | Passed | n/a           |
| SWC-101 | Integer Overflow and Underflow                      | Passed | n/a           |
| SWC-102 | Outdated Compiler Version                           | Passed | n/a           |
| SWC-103 | Floating Pragma                                     | Failed | Informational |
| SWC-104 | Unchecked Call Return Value                         | Passed | n/a           |
| SWC-105 | Unprotected Ether Withdrawal                        | Passed | n/a           |
| SWC-106 | Unprotected SELF-DESTRUCT Instruction               | Passed | n/a           |
| SWC-107 | Reentrancy                                          | Passed | n/a           |
| SWC-108 | State Variable Default Visibility                   | Passed | n/a           |
| SWC-109 | Uninitialized Storage Pointer                       | Passed | n/a           |
| SWC-110 | Assert Violation                                    | Passed | n/a           |
| SWC-111 | Use of Deprecated Solidity Functions                | Passed | n/a           |
| SWC-112 | Delegatecall to Untrusted Callee                    | Passed | n/a           |
| SWC-113 | DoS with Failed Call                                | Passed | n/a           |
| SWC-114 | Transaction Order Dependence                        | Passed | n/a           |
| SWC-115 | Authorization through tx.origin                     | Passed | n/a           |
| SWC-116 | Block values as a proxy for time                    | Passed | n/a           |
| SWC-117 | Signature Malleability                              | Passed | n/a           |
| SWC-118 | Incorrect Constructor Name                          | Passed | n/a           |
| SWC-119 | Shadowing State Variables                           | Passed | n/a           |
| SWC-120 | Weak Sources of Randomness from Chain Attributes    | Passed | n/a           |
| SWC-121 | Missing Protection against Signature Replay Attacks | Passed | n/a           |
| SWC-122 | Lack of Proper Signature Verification               | Passed | n/a           |
| SWC-123 | Requirement Violation                               | Passed | n/a           |
| SWC-124 | Write to Arbitrary Storage Location                 | Passed | n/a           |
| SWC-125 | Incorrect Inheritance Order                         | Passed | n/a           |
| SWC-126 | Insufficient Gas Griefing                           | Passed | n/a           |
| SWC-127 | Arbitrary Jump with Function Type Variable          | Passed | n/a           |
| SWC-128 | DoS With Block Gas Limit                            | Passed | n/a           |
| SWC-129 | Typographical Error                                 | Passed | n/a           |
| SWC-130 | Right-To-Left-Override control character (U+202E)   | Passed | n/a           |
| SWC-131 | Presence of unused variables                        | Passed | n/a           |

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|         |                                                         |        |     |
|---------|---------------------------------------------------------|--------|-----|
| SWC-132 | Unexpected Ether balance                                | Passed | n/a |
| SWC-133 | Hash Collisions With Multiple Variable Length Arguments | Passed | n/a |
| SWC-134 | Message call with the hardcoded gas amount              | Passed | n/a |
| SWC-135 | Code With No Effects                                    | Passed | n/a |
| SWC-136 | Unencrypted Private Data On-Chain                       | Passed | n/a |

## Other findings

### ✓ State Variable could be Declared Constant

Altmoon.liquidityActiveBlock (token.sol#1150) should be constant

- Add the constant attribute to state variables that never change.

Additional information: [↗link](#)

## Holders stats (top 10)

|             |           |        |
|-------------|-----------|--------|
| 0x96...4085 | PancakeV2 | 77.34% |
| 0x00...dead | locked    | 10.44% |
| 0xc5...90fe |           | 1.36%  |
| 0x13...8b8c |           | 1.22%  |
| 0xa2...94e3 |           | 1.10%  |
| 0x68...1d40 |           | 1.07%  |
| 0x40...2cda |           | 1.00%  |
| 0xa6...8b35 |           | 0.37%  |
| 0x34...bd4f |           | 0.31%  |
| 0xaf...b353 |           | 0.30%  |

## KYC & DOXX

● KYC

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✕ No information

● **DOXX**

✕ No information

## Website audit <https://www.altmoon.org/>

### ● **Domain Registry**

namecheap.com

### ● **Domain Expiry Date**

2024-04-08

### ● **Response Code**

200

### ● **SSL Check and HTTPS test**

yes

### ● **HTTP2**

passed

### ● **Safe Browsing Test**

passed

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that smart contracts deployed on a blockchain aren't secured enough against external vulnerability or a hack. Be aware that active smart contract owner privileges constitute an elevated impact on the smart contract safety and security. Therefore, GuardGate does not guarantee the explicit security of the audited smart contract. 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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