

VECTOR SECURITY  
OCTOBER 2023



# SMART CONTRACT SECURITY AUDIT REPORT

For



**Algorithm**

# DISCLAIMER

Before proceeding, kindly review this audit report with the utmost care. We want to emphasize that we cannot be held responsible for any investment losses incurred. Our team conducts a comprehensive and meticulous review of each contract before its public release. It is imperative to understand that our report does not, under any circumstances, constitute financial advice. Anything disseminated by Lite Security should not be interpreted as investment guidance.

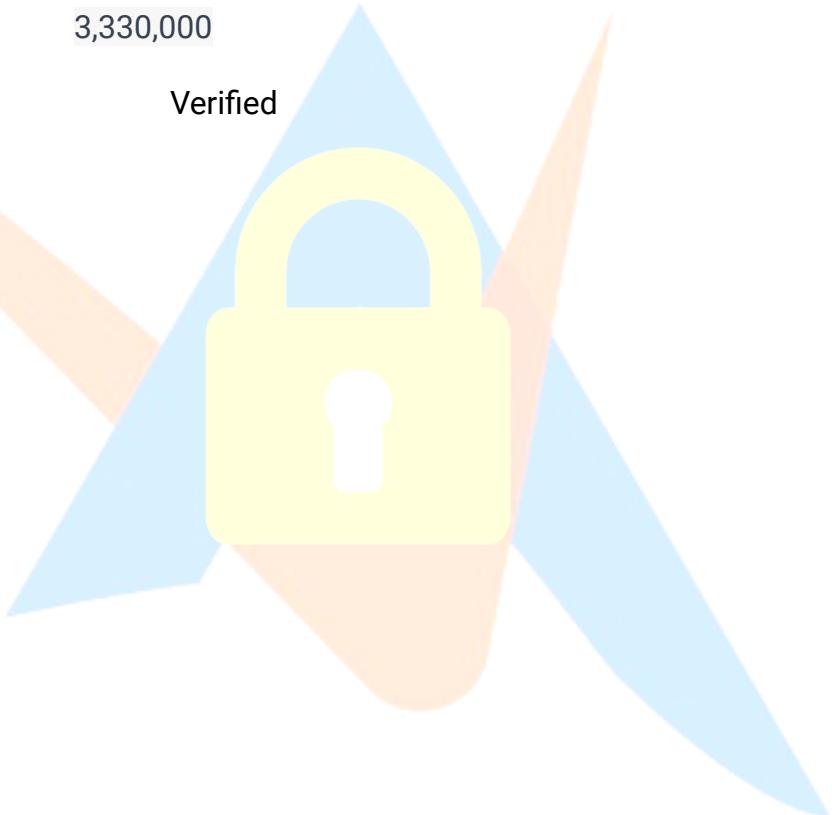
Our primary role involves the assessment and review of contract codes submitted by projects to ensure their intended functionality. We strongly encourage you to take the initiative to conduct your independent research or seek counsel from a qualified financial professional prior to making any significant financial decisions.

For your convenience, every contract audit carried out by our team is promptly accessible through our official channels, including our website, Telegram channel, and Github page. However, we urge you to exercise caution to guard against fraudulent websites and groups. It is important to note that we do not possess control over how other entities manage their projects. Our responsibility centers around vigilant monitoring and the issuance of public advisories when concerning issues come to our attention.

We trust that this information offers a clear understanding of our services. If you require additional details about our operations, please do not hesitate to reach out to us. Your informed decisions are of paramount importance to us.

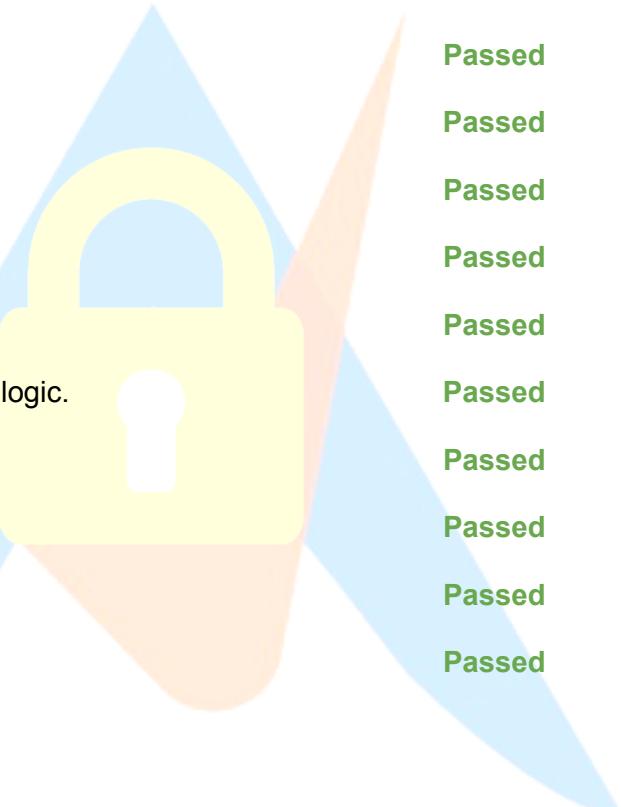
# TOKEN OVERVIEW

Contract Name:	ALGORITHM
Compiler Version:	v0.5.16+commit.9c3226ce
Contract Deployer:	0x1B696657A647281c292E6772BE9B1d28DD8Fc7E0
Contract Address:	0x6865961d2ad94f0f8db145904d728315df9934d6
Total Supply:	3,330,000
Source Code:	Verified



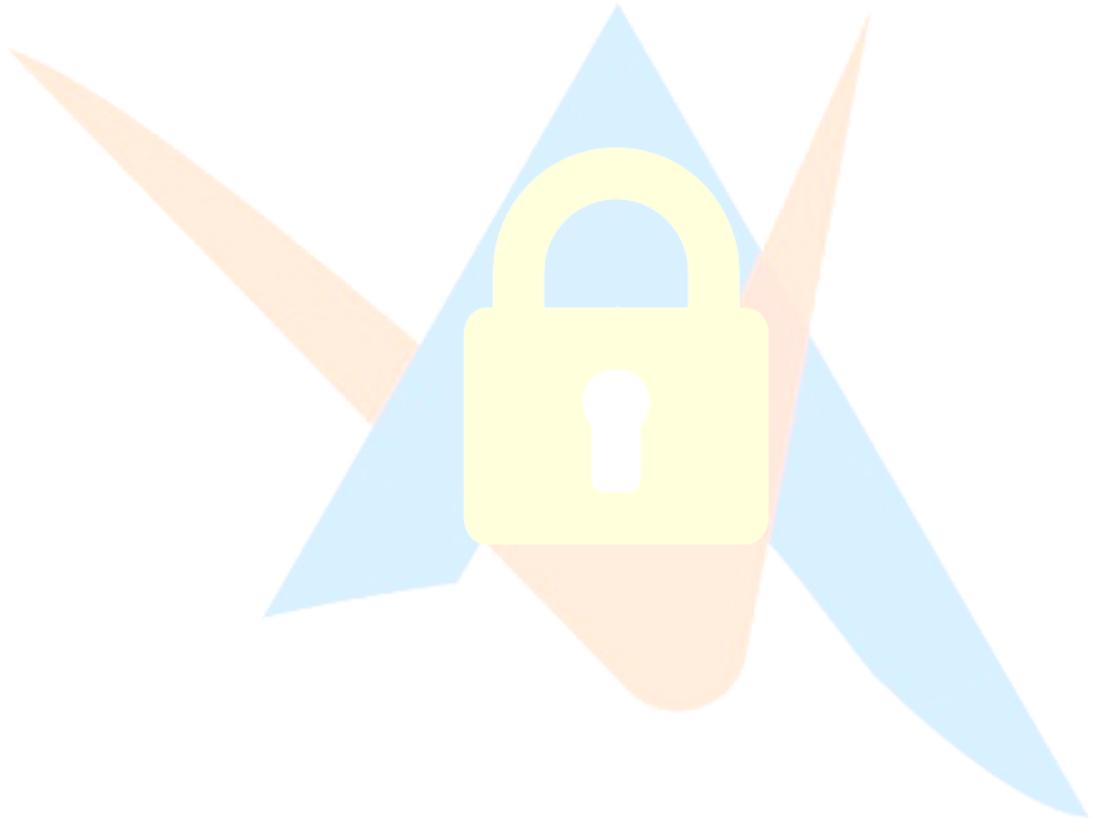
# ISSUES CHECK

Compiler errors	Passed
Race conditions and Reentrancy.	Passed
Cross-function race conditions.	Passed
Possible delays in data delivery.	Passed
Oracle calls.	Passed
Front running.	Passed
Timestamp dependence.	Passed
Integer Overflow and Underflow.	Passed
Methods execution permissions.	Passed
Economy model of the contract.	Passed
The impact of the exchange rate on the logic.	Passed
Private user data leaks.	Passed
Malicious Event log.	Passed
Scoping and Declarations.	Passed
Uninitialized storage pointers.	Passed



# **TRANSACTION TAXES**

Tax is 15% for Buys & 20% for Sells



# CONTRACT REVIEW

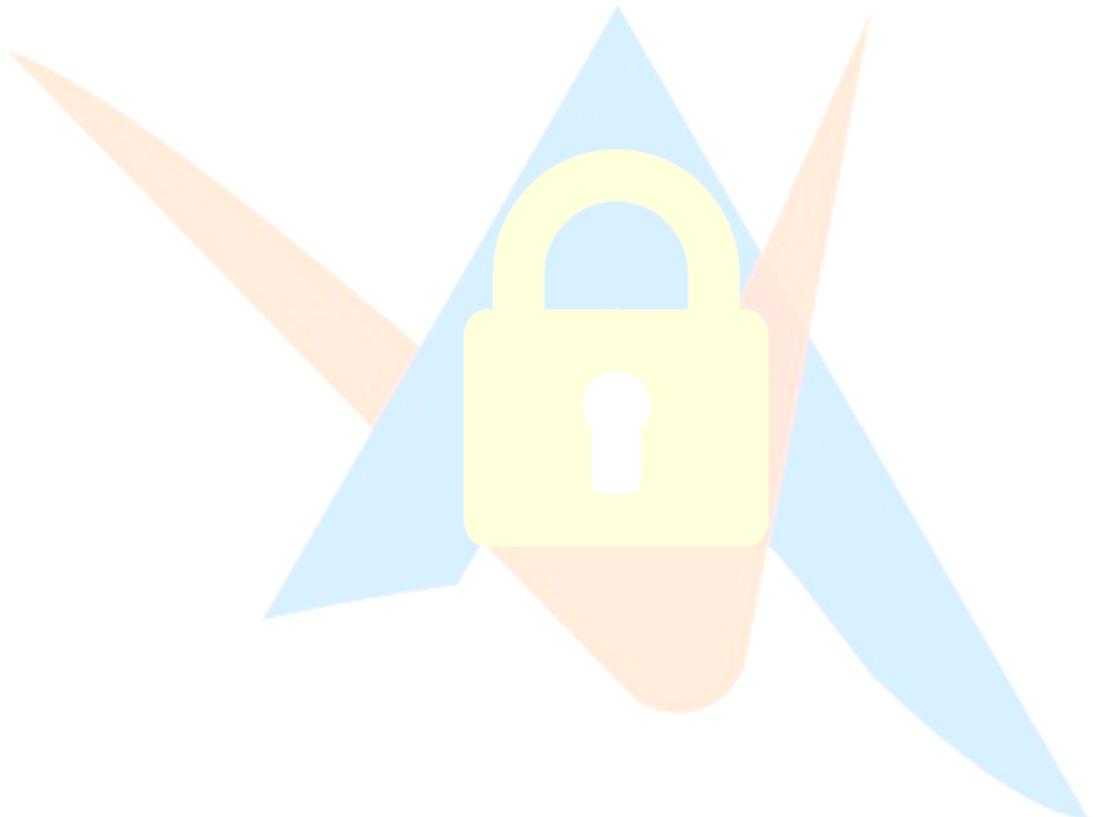
```
modifier onlyOwner() { require(msg.sender == owner, "Ownable: caller is  
not the owner"); _; }
```

Only owner can include and exclude accounts from fees



# CONCLUSION

Contract shows no vulnerabilities, owner roles and permissions are transparent. No risk found with function visibility and transfer functions



# AUDIT DETAILS



Audited Project



Client Contract



Blockchain



Project Website

Algorithm

ALGM Team

Ethereum - ERC 20

algm.io

