



# Aurora Finance Token - Audit Report

## S U M M A R Y



Aurora Finance is a new project that provides automated rewards to users who hold the token.

Aurora Finance's Token is deployed at

0xf6530899de1daae4388e1286eba6379d7ddf9c8f on the Binance Smart Chain Mainnet.

### *Notes on the Contract:*

- Aurora Finance is a fork of Reflect Finance. The key notable differences are the transfer tax which is 5x that of RFI, and the altered total supply.*
- The total supply of the token is 1 billion.*

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- 5.2% of the tokens supply is locked with DxSale until October 2021.
- 2.3% of the token's supply is in Pancakeswap liquidity.
- 98% of liquidity has been locked locked with DxSale until October 2021.
- The next largest holder has ~1.7%.
- 100% of the fee 5% charged on token transfers is redistributed to existing token holders instantly and automatically at the time of each transaction.
- The owner can exclude any address from the fee mechanism.
- Ownership has been renounced.
- Some gas optimizations can be achieved through declaring functions external instead of public and some variables constant. As this contract is already deployed, this is merely informational.
- Utilization of SafeMath to prevent overflows.

### Audit Findings Summary

- No external threats were identified.
- The team will be vested a large amount of tokens.
- A few wallets hold a large number of tokens in proportion to the liquidity pool.
- Date: May 3rd, 2021

### AUDIT RESULTS

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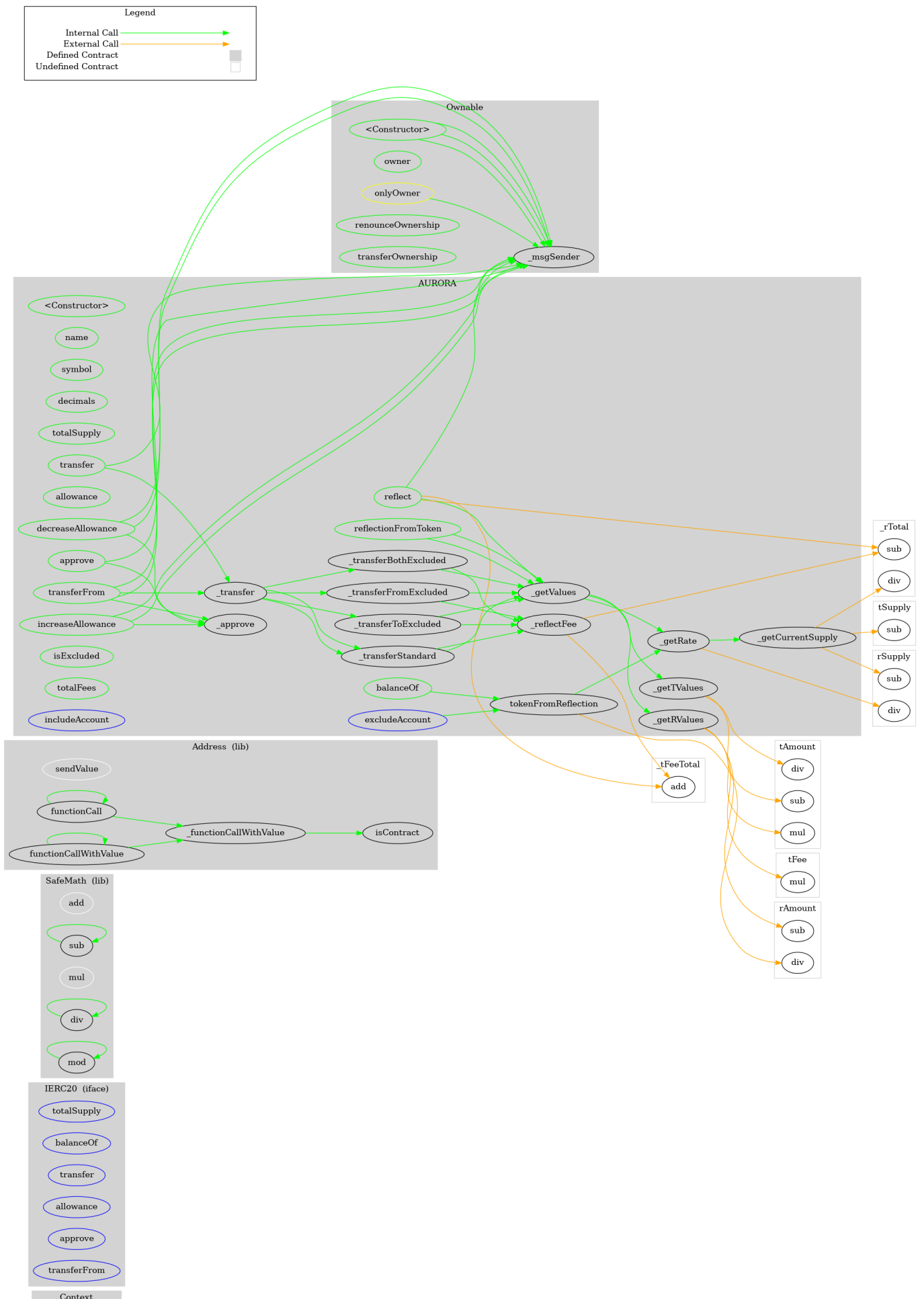
Vulnerability Category	Notes	Result
Arbitrary Storage Write	N/A	PASS
Arbitrary Jump	N/A	PASS
Delegate Call to Untrusted Contract	N/A	PASS
Dependence on Predictable Variables	N/A	PASS
Deprecated Opcodes	N/A	PASS
Ether Thief	N/A	PASS
Exceptions	N/A	PASS
External Calls	N/A	PASS
Flash Loans	N/A	PASS
Integer Over/Underflow	N/A	PASS
Multiple Sends	N/A	PASS
Oracles	N/A	PASS
Suicide	N/A	PASS

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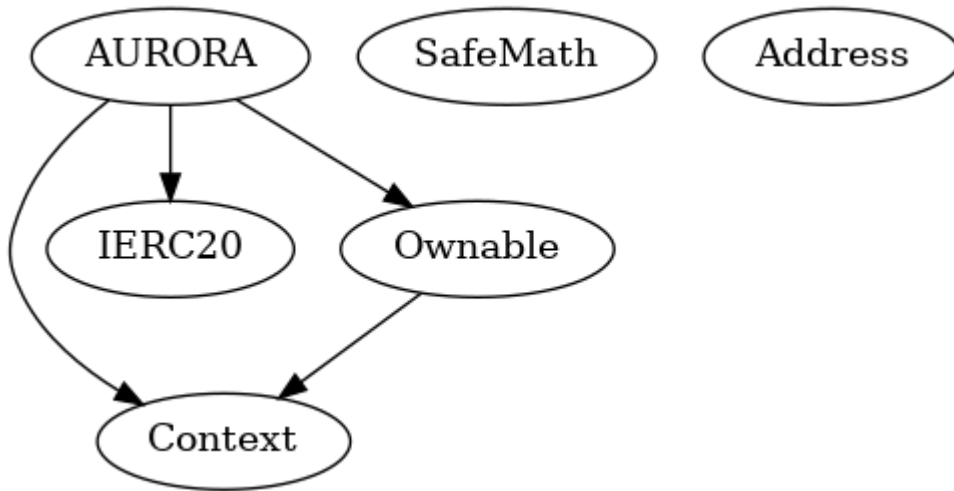
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Vulnerability Category	Notes	Result
Unchecked Retval	N/A	PASS
User Supplied Assertion	N/A	PASS
Critical Solidity Compiler	N/A	PASS
Overall Contract Safety		PASS

## FUNCTION GRAPH



## INHERITENCE CHART



## FUNCTIONS OVERVIEW

( $\$$ ) = payable function  
# = non-constant function

Int = Internal  
Ext = External  
Pub = Public

```
+ Context
- [Int] _msgSender
- [Int] _msgData

+ [Int] IERC20
- [Ext] totalSupply
```

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```

- [Ext] approve #
- [Ext] transferFrom #

+ [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] div
  - [Int] mod
  - [Int] mod

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Prv] _functionCallWithValue #

+ Ownable (Context)
  - [Pub] #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner

+ AURORA (Context, IERC20, Ownable)
  - [Pub] #

```

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```
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] isExcluded
- [Pub] totalFees
- [Pub] reflect #
- [Pub] reflectionFromToken
- [Pub] tokenFromReflection
- [Ext] excludeAccount #
    - modifiers: onlyOwner
- [Ext] includeAccount #
    - modifiers: onlyOwner
- [Prv] _approve #
- [Prv] _transfer #
- [Prv] _transferStandard #
- [Prv] _transferToExcluded #
- [Prv] _transferFromExcluded #
- [Prv] _transferBothExcluded #
- [Prv] _reflectFee #
- [Prv] _getValues
- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
```

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**G O H O M E**

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