# Audit Report
# **Cryptohorse**

January 2022

| | |
|---|---|
| Type | BEP20 |
| Network | BSC |
| Address | 0xFa95e589EBEBC6423b3945189D3fE6f1aeB3f058 |
| Audited by | © coinscope |

# Table of Contents

# Contract Review

| | |
|---|---|
| **Contract Name** | AntiBotStandardToken |
| **Compiler Version** | v0.8.4+commit.c7e474f2 |
| **Optimization** | 200 runs |
| **Licence** | MIT |
| **Explorer** | https://bscscan.com/token/0xFa95e589EBEBC6423b3945189D3fE6f1aeB3f058 |
| **Symbol** | CHORSE |
| **Decimals** | 18 |
| **Total Supply** | 100,000,000 |
| **Source** | contract.sol |
| **Domain** | cryptohorse.me |

# Audit Updates

| | |
|---|---|
| **Initial Audit** | 19th January 2022 |
| **Corrected** | |

# Contract Analysis

● Critical   ● Medium   ● Minor   ● Pass

| Severity | Code | Description |
|---|---|---|
| ● | ST | Contract Owner is not able to stop or pause transactions |
| ● | OCTD | Contract Owner is not able to transfer tokens from specific address |
| ● | OTUT | Owner Transfer User's Tokens |
| ● | ELFM | Contract Owner is not able to increase fees more than a reasonable percent (25%) |
| ● | ULTW | Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent |
| ● | MT | Contract Owner is not able to mint new tokens |
| ● | BT | Contract Owner is not able to burn tokens from specific wallet |
| ● | BC | Contract Owner is not able to blacklist wallets from selling |

# Contract Diagnostics

● Critical    ● Medium    ● Minor

| Severity | Code | Description |
|----------|------|-------------|
| ● | L01 | Public Function could be Declared External |
| ● | L04 | Conformance to Solidity Naming Conventions |
| ● | L09 | Dead Code Elimination |

# L01 - Public Function could be Declared External

| | |
|---|---|
| **Criticality** | minor |
| **Location** | contract.sol#L682,L655,L626 and 10 more |

## Description

Public functions that are never called by the contract should be declared external to save gas.

```
decreaseAllowance
increaseAllowance
transferFrom
...
```

## Recommendation

Use the external attribute for functions never called from the contract

# L04 - Conformance to Solidity Naming Conventions

| Criticality | minor |
| --- | --- |
| Location | contract.sol#L509 |

## Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
_enable
```

## Recommendation

Follow the Solidity naming convention.
https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions

# L09 - Dead Code Elimination

| | |
|---|---|
| **Criticality** | minor |
| **Location** | contract.sol#L220,L232,L261 and 11 more |

## Description

Functions that are not used in the contract, and make the code's size bigger.

```
trySub
tryMul
tryMod
...
```

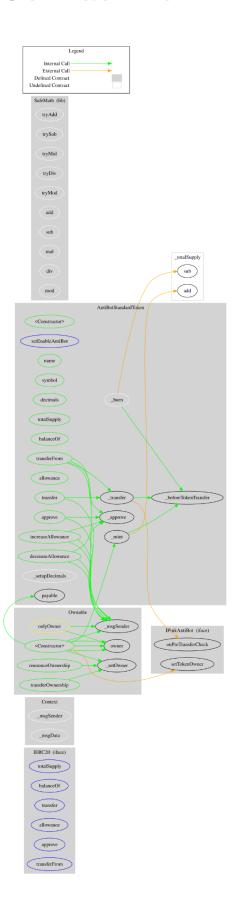## Recommendation

Remove unused functions.

# Contract Functions

| Contract | Type | Bases | | |
|---|---|---|---|---|
| | **Function Name** | **Visibility** | **Mutability** | **Modifiers** |
| | | | | |
| **IERC20** | Interface | | | |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| **Context** | Implementation | | | |
| | _msgSender | Internal | | |
| | _msgData | Internal | | |
| | | | | |
| **Ownable** | Implementation | Context | | |
| | <Constructor> | Public | ✓ | - |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | _setOwner | Private | ✓ | |
| | | | | |
| **SafeMath** | Library | | | |
| | tryAdd | Internal | | |
| | trySub | Internal | | |
| | tryMul | Internal | | |
| | tryDiv | Internal | | |
| | tryMod | Internal | | |
| | add | Internal | | |
| | sub | Internal | | |
| | mul | Internal | | |
| | div | Internal | | |

| | mod | Internal | | |
|---|---|---|---|---|
| | sub | Internal | | |
| | div | Internal | | |
| | mod | Internal | | |
| | | | | |
| **IPinkAntiBot** | Interface | | | |
| | setTokenOwner | External | ✓ | - |
| | onPreTransferCheck | External | ✓ | - |
| | | | | |
| **BaseToken** | Implementation | | | |
| | | | | |
| **AntiBotStandardToken** | Implementation | IERC20, Ownable, BaseToken | | |
| | \<Constructor\> | Public | Payable | - |
| | setEnableAntiBot | External | ✓ | onlyOwner |
| | name | Public | | - |
| | symbol | Public | | - |
| | decimals | Public | | - |
| | totalSupply | Public | | - |
| | balanceOf | Public | | - |
| | transfer | Public | ✓ | - |
| | allowance | Public | | - |
| | approve | Public | ✓ | - |
| | transferFrom | Public | ✓ | - |
| | increaseAllowance | Public | ✓ | - |
| | decreaseAllowance | Public | ✓ | - |
| | _transfer | Internal | ✓ | |
| | _mint | Internal | ✓ | |
| | _burn | Internal | ✓ | |
| | _approve | Internal | ✓ | |
| | _setupDecimals | Internal | ✓ | |
| | _beforeTokenTransfer | Internal | ✓ | |

# Contract Flow

# Domain Info

| | |
|---|---|
| **Domain Name** | cryptohorse.me |
| **Registry Domain ID** | D425500000338499265-AGRS |
| **Creation Date** | 2021-12-23T16:21:36Z |
| **Updated Date** | 2022-01-07T16:05:16Z |
| **Registry Expiry Date** | 2022-12-23T16:21:36Z |
| **Registrar WHOIS Server** | whois.godaddy.com |
| **Registrar URL** | http://www.godaddy.com |
| **Registrar** | GoDaddy.com, LLC |
| **Registrar IANA ID** | 146 |

The domain has been created 27 days before the creation of the audit. It will expire in 11 months.

There is no public billing information, the creator is protected by the privacy settings.

# Summary

Cryptohorse is aiming to build a NFT ecosystem. The token has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. There are no functions that can be used in a malicious way to disturb the users' transactions. The contract does not contain fees.

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# About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.

The Coinscope.co team

https://www.coinscope.co