



## SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



**W3ECO (W3ECO.COM)**  
**\$W3ECO**

**07/02/2022**

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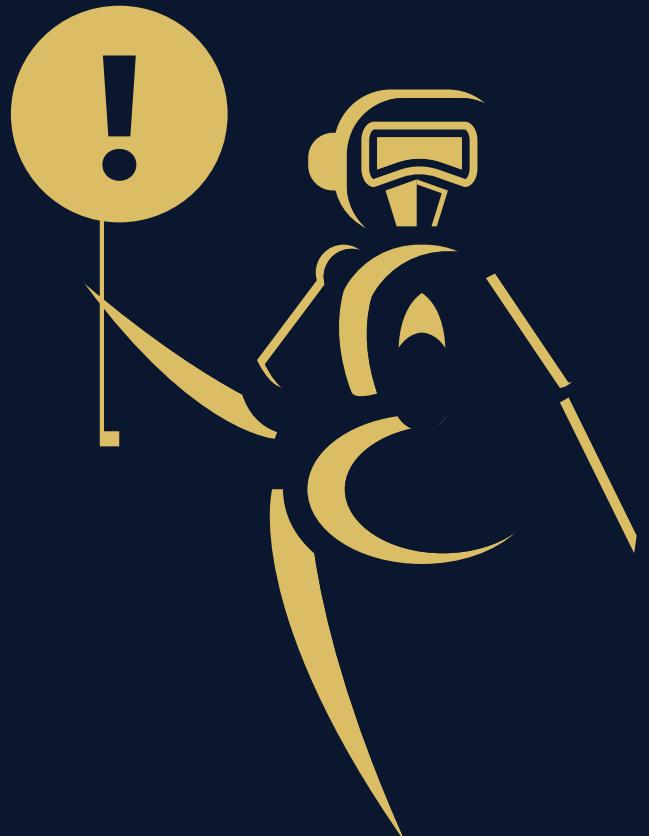
# DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website <https://freshcoins.io>

FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy ( RUG or Honeypot etc )



# INTRODUCTION

FreshCoins (Consultant) was contracted by W3ECO (W3ECO.COM) (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x3a8B97C004D79375976Be88209dF99Fa36399eE5

Network: Binance Smart Chain (BSC)

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on 07/02/2022



# WEBSITE DIAGNOSTIC

<https://w3eco.com/>



0-49



50-89



90-100



Performance



Accessibility



Best Practices



SEO



Progressive  
Web App

## Metrics



First Contentful Paint

**3.3 s**



Time to interactive

**10.4 s**



Speed Index

**12.2 s**



Total Blocking Time

**550 ms**



Large Contentful Paint

**7.7 s**



Cumulative Layout Shift

**0.012**

# WEBSITE IMPROVEMENTS

---

Reduce initial server response time

---

Reduce unused CSS

---

Reduce unused JavaScript

---

Image elements do not have explicit `width` and `height`

---

Reduce JavaScript execution time `1.6 s`

---

Image elements do not have `[alt]` attributes

---

Links do not have a discernible name

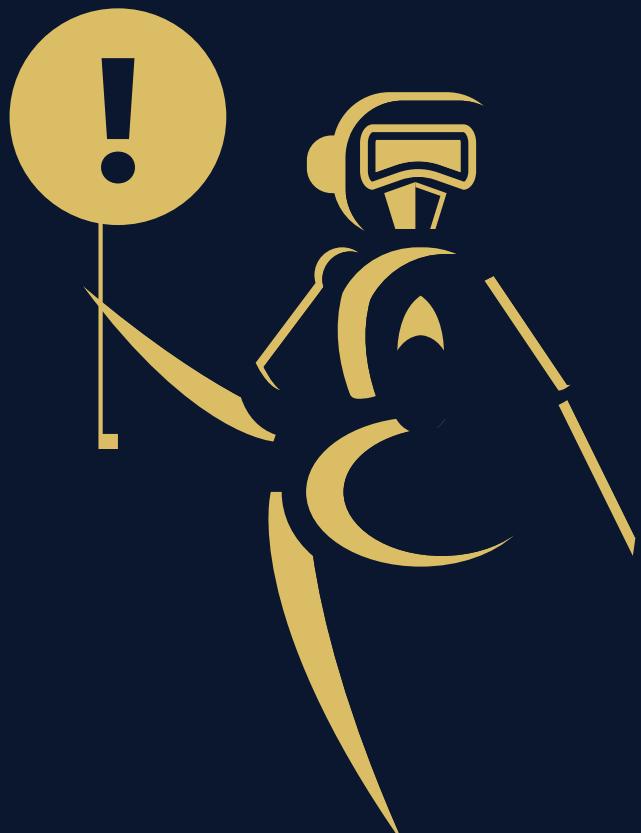
---

Background and foreground colors do not have a sufficient contrast ratio

---

Heading elements are not in a sequentially-descending order

---



# AUDIT OVERVIEW



**Security Score**



**Static Scan**  
Automatic scanning for common vulnerabilities



**ERC Scan**  
Automatic checks for ERC's conformance



High



Medium



Low



Optimizations



Informational



No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Passed
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Low
8	Methods execution permissions	Passed
9	Exchange rate impact	Passed
10	Malicious Event	Passed
11	Scoping and Declarations	Passed
12	Uninitialized storage pointers	Passed
13	Design Logic	Passed
14	Safe Zeppelin module	Passed

# OWNER PRIVILEGES

Contract owner can't mint tokens after initial contract deploy

Contract owner can exclude/include wallet from fees

```
function excludeFromFee(address account) public onlyOwner() {
    _isExcludedFromFee[account] = true;
}

function includeInFee(address account) public onlyOwner() {
    _isExcludedFromFee[account] = false;
}
```

Contract owner can exclude/include wallet from rewards

```
function excludeFromReward(address account) external onlyOwner() {
    require(!_isExcluded[account], "Account is already excluded");
    if(_rOwned[account] > 0) {
        _tOwned[account] = tokenFromReflection(_rOwned[account]);
    }
    _isExcluded[account] = true;
    _excluded.push(account);
}

function includeInReward(address account) external onlyOwner() {
    require(_isExcluded[account], "Account is already included");
    for(uint256 i = 0; i < _excluded.length; i++) {
        if(_excluded[i] == account) {
            _excluded[i] = _excluded[_excluded.length - 1];
            _tOwned[account] = 0;
            _isExcluded[account] = false;
            _excluded.pop();
            break;
        }
    }
}
```

Contract owner can change buyback settings

```
function setBuyback(bool b) external onlyOwner() {
    _enableBuyback = b;
}

function setBuybackBNBThreshold(uint256 bnbAmount) external onlyOwner() {
    _buybackBNBThreshold = bnbAmount;
}

function setBuybackUpperLimit(uint256 buybackLimit) external onlyOwner() {
    _buybackUpperLimit = buybackLimit;
}

function setBuybackBNBPercentage(uint256 percentage) external onlyOwner() {
    _buybackBNBPercentage = percentage;
}
```

## Contract owner can change swap settings

```
function setLiquidity(bool b) external onlyOwner() {  
    _enableLiquidity = b;  
}
```

## Contract owner can change lottery settings

```
function setLottery(bool b) external onlyOwner() {  
    _enableLottery = b;  
}  
  
function setLotteryChance(uint chance) external onlyOwner() {  
    _lotteryChance = chance;  
}  
  
function setLotteryThreshold(uint256 threshold) external onlyOwner() {  
    _lotteryThreshold = threshold;  
}  
  
function setLotteryMinimumSpend(uint256 minimumSpend) external onlyOwner() {  
    _lotteryMinimumSpend = minimumSpend;  
}
```

## Contract owner can change `_marketingAddress` address

### Current address:

`_marketingAddress`: 0x5ed5765b03b6271dd057c3fd3e544d364c7ba23f

```
function setMarketingAddress(address marketingAddress) external onlyOwner() {  
    _marketingAddress = payable(marketingAddress);  
}
```

## Contract owner can change max tx amount

```
function setMaxTxAmount(uint256 maxTxAmount) external onlyOwner() {  
    require(maxTxAmount >= (_tTotal.mul(1).div(10000)).div(10**18), "amount must be greater than 0.01%  
of the total supply");  
    _maxTxAmount = maxTxAmount;  
}
```

## Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {  
    _setOwner(address(0));  
}
```

## Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {  
    require(newOwner != address(0), "Ownable: new owner is the zero address");  
    _setOwner(newOwner);  
}
```

## Contract owner can change the fees up to 25%

```
function setTaxFeePercent(uint256 taxFee) external onlyOwner() {
    require(taxFee <= 25, "Total fee is over 25%");
    _taxFee = taxFee;
}

function setSellTaxFeePerecent(uint256 taxFee) external onlyOwner() {
    require(taxFee <= 25, "Total fee is over 25%");
    _sellTaxFee = taxFee;
}

function setWhaleSellTaxFeePerecent(uint256 taxFee) external onlyOwner() {
    require(taxFee <= 25, "Total fee is over 25%");
    _whaleSellTaxFee = taxFee;
}
```

## Contract owner can change `_whaleSellThreshold`, `_tokenSwapThreshold` and `_whaleSellTimer`

```
function setTokenSwapThreshold(uint256 tokenSwapThreshold) external onlyOwner() {
    _tokenSwapThreshold = tokenSwapThreshold;
}

function setWhaleSellThreshold(uint256 amount) external onlyOwner() {
    _whaleSellThreshold = amount;
}

function setWhaleSellTimer(uint time) external onlyOwner() {
    _whaleSellTimer = time;
}
```

## Contract owner can withdraw BNB or non-W3ECO tokens from the contract

```
function withdrawBNB(uint256 amount) public onlyOwner() {
    if(amount == 0) payable(owner()).transfer(address(this).balance);
    else payable(owner()).transfer(amount);
}

function withdrawForeignToken(address token) public onlyOwner() {
    require(address(this) != address(token), "Cannot withdraw native token");
    IERC20(address(token)).transfer(msg.sender, IERC20(token).balanceOf(address(this)));
}
```

# CONCLUSION AND ANALYSIS



Smart Contracts within the scope were manually reviewed and analyzed with static tools.



Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.



Found 1 LOW issue during the first review.

# TOKEN DETAILS

## Details

Buy fees:	7%
Sell fees:	14-21%
Max TX:	N/A
Max Sell:	N/A

## Honeypot Risk

Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Detected
Modify Max Sell:	Detected
Disable Trading:	Not detected

## Rug Pull Risk

Liquidity:	N/A
Holders:	Clean



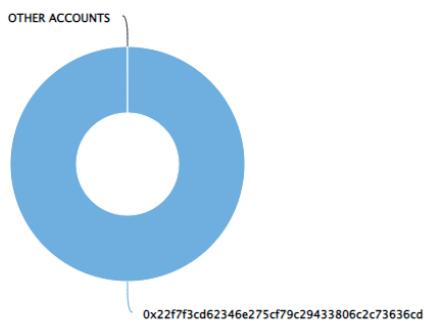
# W3ECO TOKEN DISTRIBUTION & TOP 10 TOKEN HOLDERS

💡 The top 10 holders collectively own 100.00%  
(1,000,000,000,000,000.00 Tokens) of W3ECO (W3ECO.COM)

💡 Token Total Supply: 1,000,000,000,000,000.00 Token | Total Token Holders: 1

W3ECO (W3ECO.COM) Top 10 Token Holders

Source: BscScan.com



(A total of 1,000,000,000,000,000.00 tokens held by the top 10 accounts from the total supply of 1,000,000,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x22f7f3cd62346e275cf79c29433806c2c73636cd	1,000,000,000,000,000	100.0000%

# TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.

