



# SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



**Matchcup**  
\$MATCH

**08/12/2022**



# TOKEN OVERVIEW

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## Fees

- Buy fees: 0%
- Sell fees: 0%

## Fees privileges

- Can change sell fees up to 10%

## Ownership

- Owned

## Minting

- No mint function

## Max Tx Amount / Max Wallet Amount

- Can't change max tx amount or wallet amount

## Blacklist

- No blacklist function

## Other privileges

- Can exclude / include from fees
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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 **Matchcup** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

**0x908EF6B57a6BB5B043Ea6EF84142895b519c713c**

**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 **08/12/2022**



# 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       | Passed          |
| 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't exclude an address from transactions
- Contract owner can exclude/include wallet from tax

```
function excludeFromFees(address account, bool excluded) external onlyOwner{
    require(!_isExcludedFromFees[account] != excluded, "Account is already the value of 'excluded'");
    _isExcludedFromFees[account] = excluded;

    emit ExcludeFromFees(account, excluded);
}
```

- Contract owner can change swap settings

```
function setSwapTokensAtAmount(uint256 newAmount) external onlyOwner{
    require(newAmount > totalSupply() / 1_000_000, "SwapTokensAtAmount must be greater than 0.0001% of total supply");
    swapTokensAtAmount = newAmount;

    emit SwapTokensAtAmountUpdated(swapTokensAtAmount);
}
```

- Contract owner can withdraw stuck tokens from smart contract

```
function claimStuckTokens(address token) external onlyOwner {
    require(token != address(this), "Owner cannot claim contract's balance of its own tokens");
    if (token == address(0x0)) {
        payable(msg.sender).sendValue(address(this).balance);
        return;
    }
    IERC20 ERC20token = IERC20(token);
    uint256 balance = ERC20token.balanceOf(address(this));
    ERC20token.transfer(msg.sender, balance);
}
```

- Contract owner can change sell fees up to 10%

```
function updateSellFees(uint256 _marketingFeeOnSell) external onlyOwner {
    marketingFeeOnSell = _marketingFeeOnSell;

    require(marketingFeeOnSell <= 10, "Marketing fee on sell cannot be more than 10%");

    emit UpdateSellFees(marketingFeeOnSell);
}
```



## ● Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {  
    emit OwnershipTransferred(_owner, address(0));  
    _owner = 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");  
    emit OwnershipTransferred(_owner, newOwner);  
    _owner = newOwner;  
}
```

### Recommendation:

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.



# 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 no HIGH issues during the first review.

# TOKEN DETAILS

## Details

Buy fees: 0%

Sell fees: 0%

Max TX: N/A

Max Sell: N/A

## Honeypot Risk

Ownership: Owned

Blacklist: Not detected

Modify Max TX: Not detected

Modify Max Sell: Not detected

Disable Trading: Not detected

## Others

Liquidity: N/A

Holders: Clean



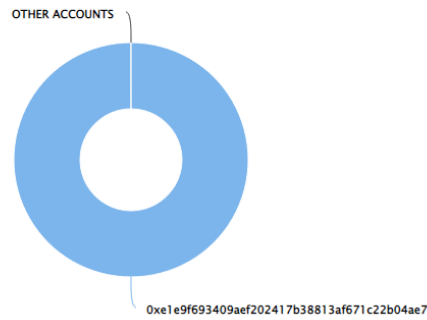
# SPACE TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (100,000,000.00 Tokens) of Matchcup

Token Total Supply: 100,000,000.00 Token | Total Token Holders: 1

## Matchcup Top 10 Token Holders

Source: BscScan.com



(A total of 100,000,000.00 tokens held by the top 10 accounts from the total supply of 100,000,000.00 token)

| Rank | Address  | Quantity (Token) | Percentage |
|------|--|------------------|------------|
| 1    | <a href="#">0xe1e9f693409aef202417b38813af671c22b04ae7</a> | 100,000,000      | 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.

