



**BlockSAFU**

# **ADVANCE MANUAL SMART CONTRACT AUDIT**



**Project:** TheChromaShop

**Website:** <https://thechromashop.com/>



**BlockSAFU Score: 82**

**Contract Address:**

**0xe43d49Fb9A5e685E12886B29CFE45AF11bb2965C**

Disclaimer: BlockSAFU is not responsible for any financial losses.  
Nothing in this contract audit is financial advice, please do your own reasearch.

## DISCLAIMER

BlockSAFU has completed this report to provide a summary of the Smart Contract functions, and any security, dependency, or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as of this report's date. To understand the full scope of our analysis, it is vital for you to at the date of this report. To understand the full scope of our analysis, you need to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against BlockSAFU or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

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### ABOUT THE AUDITOR:

BlockSAFU (BSAFU) is an Anti-Scam Token Utility that reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity. BlockSAFU's Development Team consists of several Smart Contract creators, Auditors Developers, and Blockchain experts. BlockSAFU provides solutions, prevents, and hunts down scammers. BSAFU is a utility token with features Audit, KYC, Token Generators, and Bounty Scammers. It will enrich the crypto ecosystem.

## OVERVIEW

**BlockSAFU was commissioned by TheChromaShop to complete a Smart Contract audit. The objective of the Audit is to achieve the following:**

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, all investments are made at your own risk. (<https://blocksafu.com/>)

## SMART CONTRACT REVIEW

Token Name	TheChromaShop
Token Symbol	TCST
Token Decimal	18
Total Supply	100,000,000,000,000 <b>TCST</b>
Contract Address	0xe43d49Fb9A5e685E12886B29CFE45AF11bb2965C
Deployer Address	0xE3158421A3E97a4b489D6e60EDF38CB8f2aC8f59
Owner Address	0xE3158421A3E97a4b489D6e60EDF38CB8f2aC8f59
Tax Fees Buy	20%
Tax Fees Sell	20%
Gas Used for Buy	<i>will be updated after the DEX listing</i>
Gas Used for Sell	<i>will be updated after the DEX listing</i>
Contract Created	Jun-10-2022 06:41:24 AM +UTC
Initial Liquidity	<i>will be updated after the DEX listing</i>
Liquidity Status	Locked
Unlocked Date	<i>will be updated after the DEX listing</i>
Verified CA	Yes
Compiler	v0.8.4+commit.c7e474f2
Optimization	Enable with 200 runs
Sol License	MIT License
Top 5 Holders	<i>will be updated after the DEX listing</i>
Other	default evmVersion

## TAX

<b>BUY</b>	20%	<b>SELL</b>	20%
Marketing Fee	6%	Marketing Fee	6%
Liquidity Fee	5%	Liquidity Fee	5%
Token Reward Fee	9%	Token Reward Fee	9%

## TOP HOLDER

Rank	Address	Quantity	Percentage	Analytics
1	<a href="#">0xe3158421a3e97a4b489d6e60edf38cb8f2ac8f59</a>	99,998,630,140,000	<a href="#">99.9986%</a>	<a href="#">📊</a>
2	<a href="#">0xdf3238e9c2d5ebe00810b89844f87680d551e565</a>	1,369,860,000	<a href="#">0.0014%</a>	<a href="#">📊</a>

[ [Download CSV Export](#) ]

## Team Review

The TheChromaShop team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 25 people in their twitter (count in audit date).

## OFFICIAL WEBSITE AND SOCIAL MEDIA

Website: <https://thechromashop.com/>

Telegram Group: [https://t.me/The\\_Chroma\\_Shop](https://t.me/The_Chroma_Shop)

Twitter: <https://twitter.com/thechromashop>

## MANUAL CODE REVIEW

### ● Minor-risk

1 minor-risk code issue found

Could be fixed, and will not bring problems.

1. The return value of an external transfer/transferFrom return value is checked.  
Recommendation: use SafeERC20, or ensure that the transfer/transferFrom return value is checked

```
function transferFrom(  
    address sender,  
    address recipient,  
    uint256 amount  
) external returns (bool);
```

### ● Medium-risk

0 medium-risk code issues found

Should be fixed, could bring problems.

### ● High-Risk

0 high-risk code issues found

Must be fixed, and will bring problem.

### ● Critical-Risk

0 critical-risk code issues found

Must be fixed, and will bring problem.

## EXTRA NOTES SMART CONTRACT

### 1. IERC20

```
interface IERC20 {  
    /**  
     * @dev Returns the number of tokens in existence.  
     */  
    function totalSupply() external view returns (uint256);  
    ...  
    function balanceOf(address account) external view returns (uint256);  
    ...  
    function transfer(address recipient, uint256 amount) external returns (bool);  
    ...  
    function allowance(address owner, address spender) external view returns (uint256);  
    ...  
    function approve(address spender, uint256 amount) external returns (bool);  
    ...  
    function transferFrom(  
        address sender,  
        address recipient,  
        uint256 amount  
    ) external returns (bool);  
  
    /**  
     * @dev Emitted when `value` tokens are moved from one account (`from`) to  
     * another (`to`).  
     *  
     * Note that `value` may be zero.  
     */  
    event Transfer(address indexed from, address indexed to, uint256 value);  
    ...  
}
```

IERC20 Normal Base Template

## 2. SafeMath Standard

```
library SafeMath {
    function tryAdd(uint256 a, uint256 b)
        internal
        pure
        returns (bool, uint256)
    {
        unchecked {
            uint256 c = a + b;
            if (c < a) return (false, 0);
            return (true, c);
        }
    }

    function trySub(uint256 a, uint256 b)
        internal
        pure
        returns (bool, uint256)
    {
        unchecked {
            if (b > a) return (false, 0);
            return (true, a - b);
        }
    }

    function tryMul(uint256 a, uint256 b)
        internal
        pure
        returns (bool, uint256)
    {
        unchecked {
            // Gas optimization: this is cheaper than requiring 'a' not being zero, but the
            // benefit is lost if 'b' is also tested.
            // See: https://github.com/OpenZeppelin/openzeppelin-contracts/pull/522
            if (a == 0) return (true, 0);
            uint256 c = a * b;
            if (c / a != b) return (false, 0);
            return (true, c);
        }
    }
    ...
}
```

SafeMath Standard Template



### 3. Contract AntiBot

```
contract AntiBotBABYTOKEN is ERC20, Ownable, BaseToken {
    using SafeMath for uint256;
    uint256 public constant VERSION = 1;
    ...
    uint256 public tokenRewardsFee;
    uint256 public liquidityFee;
    uint256 public marketingFee;
    uint256 public totalFees;
    ...
    function setTokenRewardsFee(uint256 value) external
    onlyOwner {
        tokenRewardsFee = value;
        totalFees =
        tokenRewardsFee.add(liquidityFee).add(marketingFee);
        require(totalFees <= 25, "Total fee is over 25%");
    }

    function setLiquiditFee(uint256 value) external onlyOwner {
        liquidityFee = value;
        totalFees =
        tokenRewardsFee.add(liquidityFee).add(marketingFee);
        require(totalFees <= 25, "Total fee is over 25%");
    }

    function setMarketingFee(uint256 value) external onlyOwner {
        marketingFee = value;
        totalFees =
        tokenRewardsFee.add(liquidityFee).add(marketingFee);
        require(totalFees <= 25, "Total fee is over 25%");
    }
    ...
}
```

TheChromaShop Contract

```
function setTokenRewardsFee(uint256 value) external onlyOwner {  
    tokenRewardsFee = value;  
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);  
    require(totalFees <= 25, "Total fee is over 25%");  
}
```

Owner cannot set Token Reward Fee over 25%

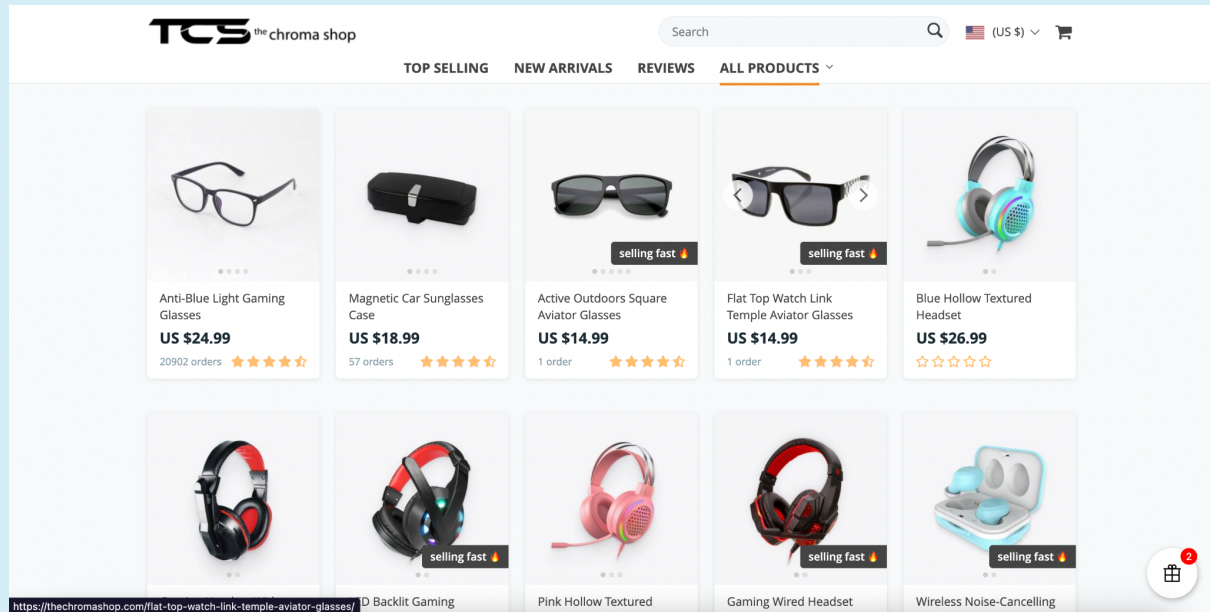
```
function setLiquidityFee(uint256 value) external onlyOwner {  
    liquidityFee = value;  
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);  
    require(totalFees <= 25, "Total fee is over 25%");  
}
```

Owner cannot set Liquidity Fee over 25%

```
function setMarketingFee(uint256 value) external onlyOwner {  
    marketingFee = value;  
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);  
    require(totalFees <= 25, "Total fee is over 25%");  
}
```

Owner cannot set Marketing Fee over 25%

## WEBSITE REVIEW



- Mobile Friendly
- Contains no code error
- SSL Secured (By Let's encrypt)

**Web-Tech stack:** Wordpress, vue js, bootstrap

Domain .com - Tracked by whois

First Contentful Paint:	1.2s
Fully Loaded Time	1.8s
Performance	78
Accessibility	81
Best Practices	75
SEO	92

## RUG-PULL REVIEW

Based on the available information analyzed by us, we come to the following conclusions:

- Locked Liquidity (Locked by pinksale)

*(Will be updated after DEX listing)*

- TOP 5 Holder.

*(Will be updated after DEX listing)*

- **The team is Not KYC.**

*(Will be updated after KYC)*

## HONEYPOT REVIEW

- Ability to sell.

- The owner is not able to pause the contract.

- The owner can change fees, but can't set fees over 25% (liquidity, marketing, and token reward fee)

Note: Please check the disclaimer above and note, that the audit makes no statements or warranties on the business model, investment attractiveness, or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by the project owner.