



**BlockSAFU**

# **ADVANCE MANUAL SMART CONTRACT AUDIT**



**Project:** SingMon

**Website:** [singmon.io](https://singmon.io)



**BlockSAFU Score: 82**

**Contract Address:**

**0xbb1c91Ad6cDF2E9604A664cBbE2f64f1C131e2F1**

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.

By perusing this report or any portion of it, you concur to the terms of this disclaimer. In the unlikely situation where you do not concur to the terms, you should immediately terminate reading this report, and erase and discard any duplicates of this report downloaded and/or printed by you. This report is given for data purposes as it were and on a non-reliance premise and does not constitute speculation counsel. No one should have any right to depend on the report or its substance, and BlockSAFU and its members (including holding companies, shareholders, backups, representatives, chiefs, officers, and other agents) BlockSAFU and its subsidiaries owe no obligation of care towards you or any other person, nor does BlockSAFU make any guarantee or representation to any individual on the precision or completeness of the report.

### 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 SingMon 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	SingMon
Token Symbol	SM
Token Decimal	18
Total Supply	100,000,000 SM
Contract Address	0xbb1c91Ad6cDF2E9604A664cBbE2f64f1C131e2F1
Deployer Address	0x93035C63F83BE2D4E793DfA4D04858Aa1327926D
Owner Address	0x93035C63F83BE2D4E793DfA4D04858Aa1327926D
Tax Fees Buy	5%
Tax Fees Sell	5%
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-23-2022 04:29:02 PM +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	v0.8.7+commit.e28d00a7
Optimization	No 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>	5%	<b>SELL</b>	5%
<b>Buy Fee</b>	5%	<b>Sell Fee</b>	5%
<b>Normal Fee</b>	0%	<b>Normal Fee</b>	0%

## TOP HOLDER

Rank	Address	Quantity	Percentage	Analytics
1	 0x498a0016e014cf7441b1285a26beb4d6b9b46135	64,380,000	64.3800% <div><div></div></div>	
2	 0x407993575c91ce7643a4d4ccacc9a98c36ee1bbe	35,000,000	35.0000% <div><div></div></div>	
3	0x93035c63f83be2d4e793dfa4d04858aa1327926d	620,000	0.6200% <div><div></div></div>	

## Team Review

The SingMon team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 3,428 people in their telegram group (count in audit date).

## OFFICIAL WEBSITE AND SOCIAL MEDIA

Website: <https://singmon.io/>

Telegram Group: <https://t.me/SingMonGlobal>

Twitter: <https://twitter.com/SingMonApp/photo>

## 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. Contract SingMon Token

```
contract SingMon is ERC20, Ownable, ListingController {
    mapping(address => bool) private blackListedList;
    mapping(address => bool) private isExcludedFromFee;
    uint256 public maxAmount = 20 * 10**3 * 10**18;
    uint256 public swapTokensAtAmount = 10**3 * 10**18;
    ...
    constructor() ERC20("SingMon Token", "SM")
    ListingController(100) {
        _mint(msg.sender, 100000000 * (10**18));
    }
    ...
    uint buyFee = 5;
    uint sellFee = 5;
    uint normalFee = 0;
    _setTransferFee(address(this), buyFee, sellFee, normalFee);
}
....
function _setTransferFee(address to_, uint buyFee_, uint
sellFee_, uint normalFee_) internal{
    require(buyFee_ <= 30, "TransferFee: fee must be less or
equal 30%");
    require(sellFee_ <= 30, "TransferFee: fee must be less or
equal 30%");
    require(normalFee_ <= 30, "TransferFee: fee must be less or
equal 3%");
    _transferFee.to = to_;
    _transferFee.buy = buyFee_;
    _transferFee.sell = sellFee_;
    _transferFee.normal = normalFee_;
    emit SetTransferFee(_transferFee);
}
...
function setTransferFee(address to_, uint buyFee_, uint
sellFee_, uint normalFee_) external onlyOwner{
    _setTransferFee(to_, buyFee_, sellFee_, normalFee_);
}
function setMaxAmount(uint256 _maxAmount) external
onlyOwner{
    require(_maxAmount > 100 * 10**3 * 10**18, "maxAmount
too small");
    maxAmount = _maxAmount;
}
...
}
```

SingMon Contract



```
function _setTransferFee(address to_, uint buyFee_, uint
sellFee_, uint normalFee_) internal{
    require(buyFee_ <= 30, "TransferFee: fee must be less or
equal 30%");
    require(sellFee_ <= 30, "TransferFee: fee must be less or
equal 30%");
    require(normalFee_ <= 30, "TransferFee: fee must be less or
equal 3%");
    _transferFee.to = to_;
    _transferFee.buy = buyFee_;
    _transferFee.sell = sellFee_;
    _transferFee.normal = normalFee_;
    emit SetTransferFee(_transferFee);
}
```

Owner cannot set fee over 30% for buy, sell, and normal fee

```
function setMaxAmount(uint256 _maxAmount) external
onlyOwner{
    require(_maxAmount > 100 * 10**3 * 10**18, "maxAmount
too small");
    maxAmount = _maxAmount;
}
}
```

Owner cannot set max transaction amount lower than  $100 * 10^{**3} * 10^{**18}$  or 100,000 SM

```
function addBlackList(address add) external onlyOwner {
    blackListedList[add] = true;
}

function addBlackLists(address[] calldata listAddress) external
onlyOwner {
    uint256 count = listAddress.length;
    for (uint256 i = 0; i < count; i++) {
        blackListedList[listAddress[i]] = true;
    }
}

function removeBlackList(address add) external onlyOwner {
    blackListedList[add] = false;
}

function removeBlackLists(address[] calldata listAddress)
external onlyOwner {
    uint256 count = listAddress.length;
    for (uint256 i = 0; i < count; i++) {
        blackListedList[listAddress[i]] = false;
    }
}
```

The owner can blacklist and remove the blacklist wallet address

## WEBSITE REVIEW



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

**Web-Tech stack:** React, Bootstrap, Sectigo

Domain .io - Tracked by whois

First Contentful Paint:	435ms
Fully Loaded Time	5.4s
Performance	66%
Accessibility	75%
Best Practices	100%
SEO	80%

## 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 the fee, but can't set a fee over 30% for buy and 30% for sell, and 30% for a normal 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.