



**BlockSAFU**

# **ADVANCE MANUAL SMART CONTRACT AUDIT**



**Project:** SafuFinance

**Website:** [safufinancetoken.com](https://safufinancetoken.com)



**BlockSAFU Score: 82**

**Contract Address:**

0x1caf47AcEEcfE42119B76E9C92ec30e17Dc5F706

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 SafuFinance 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/>)

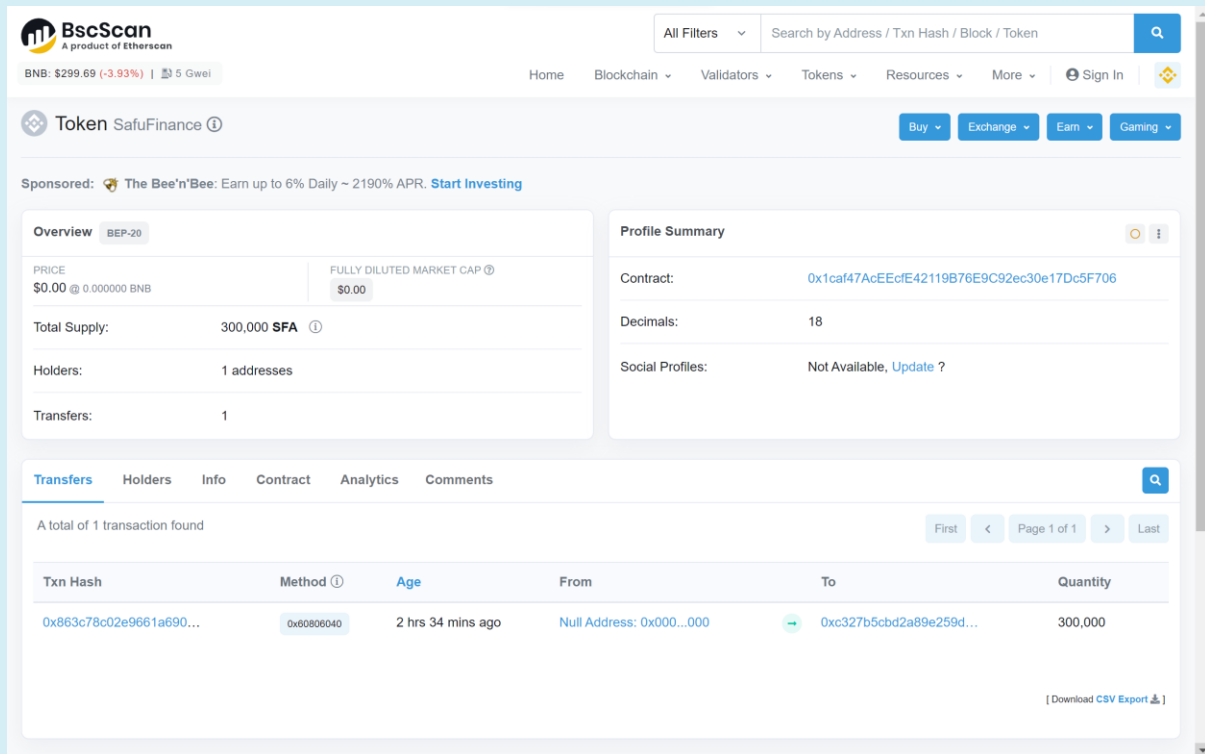
## SMART CONTRACT REVIEW

Token Name	SafuFinance
Token Symbol	SFA
Token Decimal	18
Total Supply	300,000 <b>SFA</b>
Contract Address	0x1caf47AcEEcfE42119B76E9C92ec30e17Dc5F706
Deployer Address	0xA5977c5bF0b6f18755256168A017a3242409B354
Owner Address	0xA5977c5bF0b6f18755256168A017a3242409B354
Tax Fees Buy	6 %
Tax Fees Sell	15 %
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	May-21-2022 02:34:36 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	v0.7.6+commit.7338295f
Optimization	Disable with 200 runs
Sol License	None
Top 5 Holders	<i>will be updated after the DEX listing</i>
Other	default evmVersion

## TAX

<b>BUY</b>	0%	<b>SELL</b>	0%
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# TOP HOLDER



The screenshot shows the BscScan interface for the SafuFinance token. The top navigation bar includes the BscScan logo, a search bar, and links for Home, Blockchain, Validators, Tokens, Resources, More, Sign In, and a wallet icon. The token name 'Token SafuFinance' is displayed with buttons for Buy, Exchange, Earn, and Gaming. A sponsored banner for 'The Bee'n'Bee' is visible. The main content area is divided into two columns: 'Overview' and 'Profile Summary'. The 'Overview' section shows the price as \$0.00, a total supply of 300,000 SFA, 1 holder, and 1 transfer. The 'Profile Summary' section shows the contract address, 18 decimals, and no social profiles. Below these is a 'Transfers' section with a table showing a single transaction.

Txn Hash	Method	Age	From	To	Quantity
0x863c78c02e9661a690...	0x60806040	2 hrs 34 mins ago	Null Address: 0x000...000	0xc327b5cbd2a89e259d...	300,000

## Team Review

The SafuFinance team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 7,883 people in their telegram group (count in audit date).

## OFFICIAL WEBSITE AND SOCIAL MEDIA

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

Telegram Group: [https://t.me/Safufinance\\_0](https://t.me/Safufinance_0)

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

## 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 amount 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 Contract

```
library SafeMath {
  function add(uint256 a, uint256 b) internal pure returns (uint256) {
    uint256 c = a + b;
    require(c >= a, "SafeMath: addition overflow");

    return c;
  }

  function sub(uint256 a, uint256 b) internal pure returns (uint256) {
    return sub(a, b, "SafeMath: subtraction overflow");
  }
  ...

  function mul(uint256 a, uint256 b) internal pure returns (uint256) {
    // Gas optimization: this is cheaper than requiring 'a' not being zero, but the
    // benefit is lost if 'b' is also tested.
    if (a == 0) {
      return 0;
    }

    uint256 c = a * b;
    require(c / a == b, "SafeMath: multiplication overflow");

    return c;
  }

  function div(uint256 a, uint256 b) internal pure returns (uint256) {
    return div(a, b, "SafeMath: division by zero");
  }
  ...
}
```

Standard SafeMath contract



### 3. Contract SAFUFINANCE

```
contract SAFUFINANCE is ERC20Detailed, Ownable {
...
    uint256 public liquidityFee = 20;
    uint256 public marketingFee = 20;
    uint256 public DividendFeeBuy = 20;
    uint256 public DividendFeeSell = 80;
    uint256 public sellFee = 30;
    uint256 public totalFee =
        liquidityFee.add(marketingFee).add(DividendFeeBuy);

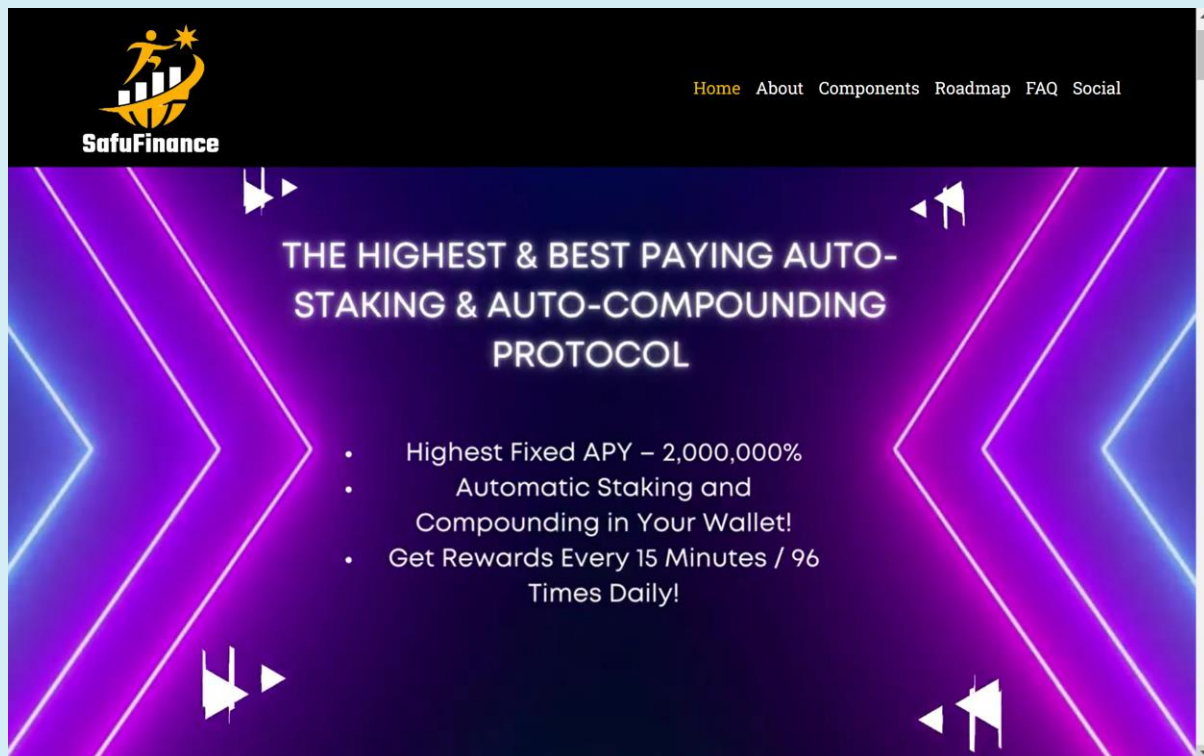
    uint256 public totalFeeSell =
    DividendFeeSell.add(liquidityFee).add(marketingFee).add(sellFee);
    uint256 public feeDenominator = 1000;
...
    function setFee(
        uint256 _liquidityFee,
        uint256 _marketingFee,
        uint256 _DividendFeeBuy,
        uint256 _DividendFeeSell,
        uint256 _sellFee
    ) external onlyOwner {
        ...
        sellFee = _sellFee;

        require(_liquidityFee < 20, "liquidityFee cannot be more than 10%");
        require(_marketingFee < 20, "marketingFee cannot be more than 10%");
        require(_DividendFeeBuy < 20, "DividendFeeBuy cannot be more than 10%");
        require(_DividendFeeSell < 80, "DividendFeeSell cannot be more than 10%");
        require(_sellFee < 30, "sellFee cannot be more than 10%");
    }

...
    function setBotBlacklist(address _botAddress, bool _flag) external onlyOwner {
        require(isContract(_botAddress), "only contract address, not allowed externally
owned account");
        blacklist[_botAddress] = _flag;
    }
...
}
```

The owner can't set tax fee over 20%

## WEBSITE REVIEW



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

**Web-Tec stack:** jQuery UI, jQuery (need update to latest version), Core js, Bootstrap

Domain .com - (GoDaddy) - Tracked by whois

First Contentful Paint:	1.9s
Fully Loaded Time	10.2s
Performance	51%
Accessibility	96%
Best Practices	83%
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 yet KYC.**

*(Will be updated after team KYC)*

## HONEYPOT REVIEW

- Ability to sell.
- The owner is not able to pause the contract.
- The owner cannot change the tax.

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.