



BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT



Project: Beep Staking

Website: <https://www.beepstaking.com/>



BlockSAFU Score: 82

Contract Address:

0xdA87DDE470bEf32ab57aEDe40edc38F5A0B5ebcf

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 Beep Staking 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	Beep Staking
Token Symbol	BEEP
Token Decimal	18
Total Supply	1,000,000,000 BEEP
Contract Address	0xdA87DDE470bEf32ab57aEDe40edc38F5A0B5ebcf
Deployer Address	0x5dc088C93Bf871ac5D5242304B8B2f2C879fbC7E
Owner Address	0xc3238Dd86D81B6fe405037c784f0eA1c457C6D3B
Tax Fees Buy	12%
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	Jun-04-2022 10:52:14 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	v0.6.12+commit.27d51765
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

BUY	12%	SELL	15%
Burn Fee	3%	Burn Fee	3%
Liquidity Fee	6%	Liquidity Fee	9%
Reflection Fee	3%	Reflection Fee	3%

TOP HOLDER

Rank	Address	Quantity	Percentage	Analytics
1	0xc3238dd86d81b6fe405037c784f0ea1c457c6d3b	1,000,000,000	<div><div>100.0000%</div></div>	📊

[[Download CSV](#) [Export](#)]

Team Review

The Beef Staking team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 2,567 people in their telegram group (count in audit date).

OFFICIAL WEBSITE AND SOCIAL MEDIA

Website: <https://www.beepstaking.com/>

Telegram Group: https://t.me/BeepStaking_EN

Twitter: https://twitter.com/Beep_Staking

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 Contract

```
library SafeMath {
    /**
     * @dev Returns the addition of two unsigned integers, with an overflow flag.
     *
     * _Available since v3.4._
     */
    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);
        }
    }

    /**
     * @dev Returns the subtraction of two unsigned integers, with an overflow
     flag.
     *
     * _Available since v3.4._
     */
    function trySub(uint256 a, uint256 b) internal pure returns (bool, uint256) {
        unchecked {
            if (b > a) return (false, 0);
            return (true, a - b);
        }
    }

    ...
    function mod(
        uint256 a,
        uint256 b,
        string memory errorMessage
    ) internal pure returns (uint256) {
        unchecked {
            require(b > 0, errorMessage);
            return a % b;
        }
    }
}
```

Standard Safemath contract

3. Contract Beep

```
contract BEEP is Context, IERC20, Ownable{
    ...
    uint256 private constant MAX = ~uint256(0);
    uint256 private _tTotal = 10000000000 * 10**9;
    ...
    string private _name = "Beep Staking";
    string private _symbol = "BEEP";
    uint8 private _decimals = 9;

    uint256 public _taxFee = 3;
    uint256 private _previousTaxFee = _taxFee;
    address private _LiquidityWallet =
0x8116d07fB83DaFE700722b22696402736189005D;

    uint256 public _liquidityFee_Purchase = 6;
    uint256 public _liquidityFee_Sale = 9;
    uint256 private _liquidityFee = _liquidityFee_Purchase;
    uint256 private _previousLiquidityFee = _liquidityFee;

    address private _BurnWallet =
0x0000000000000000000000000000000000000000000000000000000000000000dEaD;
    uint256 public _burnFee = 3;
    uint256 private _previousBurnFee = _burnFee;
    ...
}
```

Beep Contract

```
function setTaxFeePercent(uint256 taxFee) external onlyOwner() {
    require(taxFee + _liquidityFee_Purchase + _burnFee <= 30);
    require(taxFee + _liquidityFee_Sale + _burnFee <= 30);
    _taxFee = taxFee;
}
```

```
function setLiquidityFeePercent(uint256 liquidityFee_Purchase, uint256 liquidityFee_Sale)
external onlyOwner() {
    require(_taxFee + liquidityFee_Purchase + _burnFee <= 30);
    require(_taxFee + liquidityFee_Sale + _burnFee <= 30);
    _liquidityFee_Purchase = liquidityFee_Purchase;
    _liquidityFee_Sale = liquidityFee_Sale;
}
```

```
function setBurnFeePercent(uint256 burnFee) external onlyOwner() {
    require(_taxFee + _liquidityFee_Purchase + burnFee <= 30);
    require(_taxFee + _liquidityFee_Sale + burnFee <= 30);
    _burnFee = burnFee;
}
```

owner cannot set fee over 30%

WEBSITE REVIEW



- **Mobile Friendly**
- **Contains no code error**
- **SSL Secured (By Sectigo SSL)**

Web-Tech stack: React, Bootstrap, Sectigo

Domain .com - Tracked by whois

First Contentful Paint:	259ms
Fully Loaded Time	5.5s
Performance	89%
Accessibility	92%
Best Practices	92%
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 fee, but can't set fee over 30%.

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.