



BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT



Project: Baby Elephant

Website: babyelephant.finance



BlockSAFU Score:

85

Contract Address:

0x58f3522136fd198BB2E7821a0F267AB6C8a281FD

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 Baby Elephant 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	Baby Elephant Token
Token Symbol	BELP
Token Decimal	18
Total Supply	14,000,000 BELP
Contract Address	0x58f3522136fd198BB2E7821a0F267AB6C8a281FD
Deployer Address	0xb1174E4c57502587E6748BF9a3F4609438dfF302
Owner Address	0xb1174E4c57502587E6748BF9a3F4609438dfF302
Tax Fees Buy	9%
Tax Fees Sell	9%
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	Jul-21-2022 04:58:33 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	v0.8.4+commit.c7e474f2
Optimization	Yes with 200 runs
Sol License	MIT License
Top 5 Holders	<i>will be updated after the DEX listing</i>
Other	default evmVersion

TAX

BUY	9%	SELL	9%
Liquidity Fee	1%	Liquidity Fee	1%
Dividend Fee	4%	Dividend Fee	4%
Marketing	4%	Marketing Fee	4%

TOP HOLDER

Rank	Address	Quantity	Percentage	Analytics
1	0xb1174e4c57502587e6748b9a3f4609438dff302	9,546,500	68.1893%	Analytics
2	 0xe615fb08a3ec1b5db05bef3b778edc7edbfad68c	4,453,500	31.8107%	Analytics

[Download CSV Export ]

Team Review

The Baby Elephant Token team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 2,756 people in their telegram group (count in audit date).

OFFICIAL WEBSITE AND SOCIAL MEDIA

Website: <https://babyelephant.finance/>

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

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

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

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 {
    ...
    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, string memory errorMessage)
internal pure returns (uint256) {
        require(b <= a, errorMessage);
        uint256 c = a - b;

        return c;
    }
    /**
     * @dev Returns the multiplication of two unsigned integers,
reverting on
     * overflow.
     *
     * Counterpart to Solidity's `*` operator.
     *
     * Requirements:
     *
     * - Multiplication cannot overflow.
     */
    ...
    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. BABYTOKEN Contract

```
contract BABYTOKEN is ERC20, Ownable, BaseToken {
    ...
    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%");
    }
    ...
}
```

BABYTOKEN Contract BY PinkSale

```
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%");
}
```

The owner cannot set token reward, liquidity, and marketing fee over 25%

BLOCKSAFU TOKEN SCANNER

Honeypot Safety

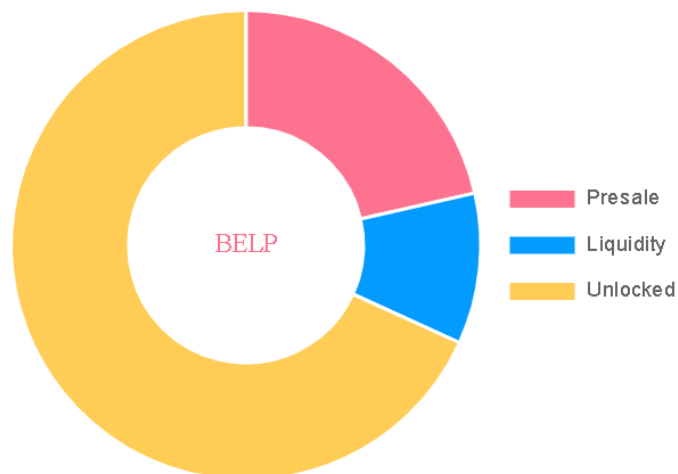
Indicator	Value
Can Take Back Ownership	✔ Not detected
Owner Change Balance	✔ Not detected
Blacklist	✔ Not detected
Modify Fees	❗ Detected
Proxy	✔ Not detected
Whitelisted	✔ Not detected
Anti Whale	✔ Not detected
Trading Cooldown	✔ Not detected
Transfer Pausable	✔ Not detected
Cannot Sell All	✔ Not detected

Rug Pull Safety

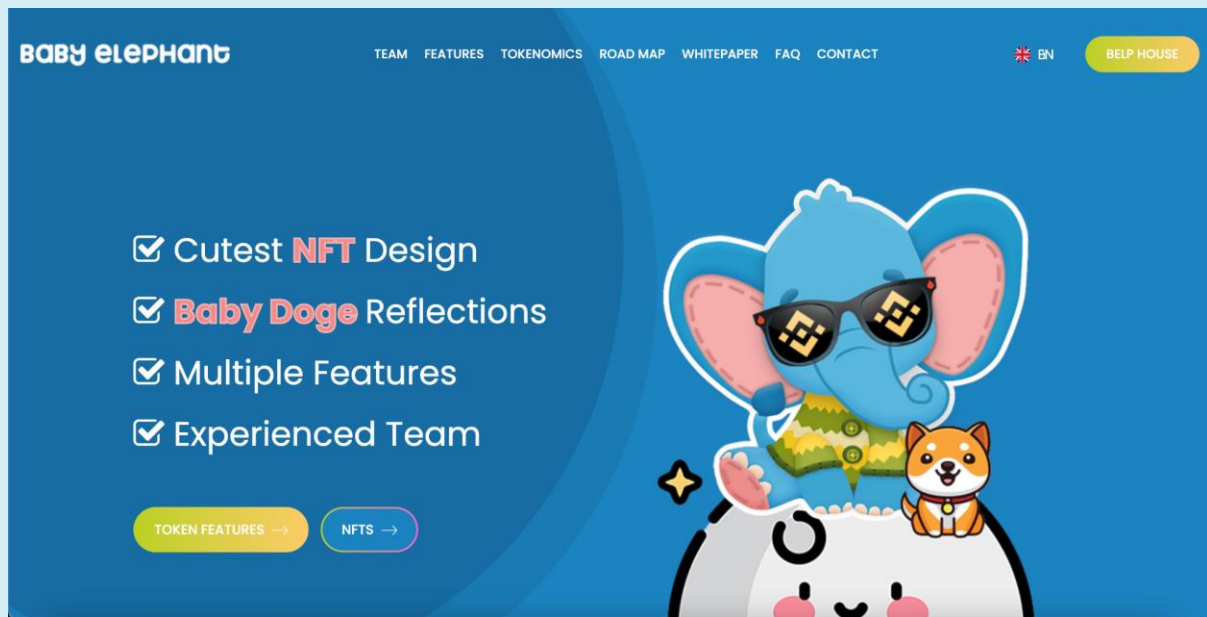
Indicator	Value
Hidden Owner	✔ Not detected
Creator Address	0xb1174e4c...302 ↗
Creator Balance	9,546,500 BELP
Creator Percent	68.1893%
Owner Address	0xb1174e4c...302 ↗
Owner Balance	14,000,000 BELP
Owner Percent	100%
Lp Holder Count	
Lp Total Supply	NaN
Mint	✔ Not detected

TOKEN METRICS

Token Metrics



WEBSITE REVIEW



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

Web-Tech stack: Apache, Bootstrap, Sectigo, jQuery

Domain. finance (namecheap) - Tracked by whois

First Contentful Paint:	1.8s
Fully Loaded Time	4.2s
Performance	86%
Accessibility	81%
Best Practices	83%
SEO	73%

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)

- Unlock Token 68%.

- KYC team by PinkSale.

HONEYPOT REVIEW

- Ability to sell.
- The owner is not able to pause the contract.
- The owner cannot set a fee over 25%

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.