



BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT



Project: FoxHood

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



BlockSAFU Score:

82

Contract Address:

0x5E8CA468359475756f5bb687261fF2b9Fda3ba0b

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 FoxHood 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	Foxhood
Token Symbol	FHD
Token Decimal	18
Total Supply	100,000,000,000 FHD
Contract Address	0x5E8CA468359475756f5bb687261fF2b9Fda3ba0b
Deployer Address	0x7abb22dB3F8D36D458265C6a9aF080049459b6b0
Owner Address	0x7abb22db3f8d36d458265c6a9af080049459b6b0
Tax Fees Buy	13%
Tax Fees Sell	13%
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	Aug-19-2022 04:09:34 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	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	13%	SELL	13%
Liquidity Fee	3%	Liquidity Fee	3%
Marketing Fee	4%	Marketing Fee	4%
Reward Fee	6%	Reward Fee	6%

OVERVIEW

Mint Function

- No mint functions.

Fees

- Buy 13% (owner cannot set fees over 25%).
- Sell 13% (owner can't set fees over 25%).

Tx Amount

- Owner cannot set max tx amount.

Transfer Pausable

- Owner cannot pause.

Blacklist

- Owner cannot blacklist.

Ownership

- Owner cannot take back ownership.

Proxy

- This contract has no proxy.

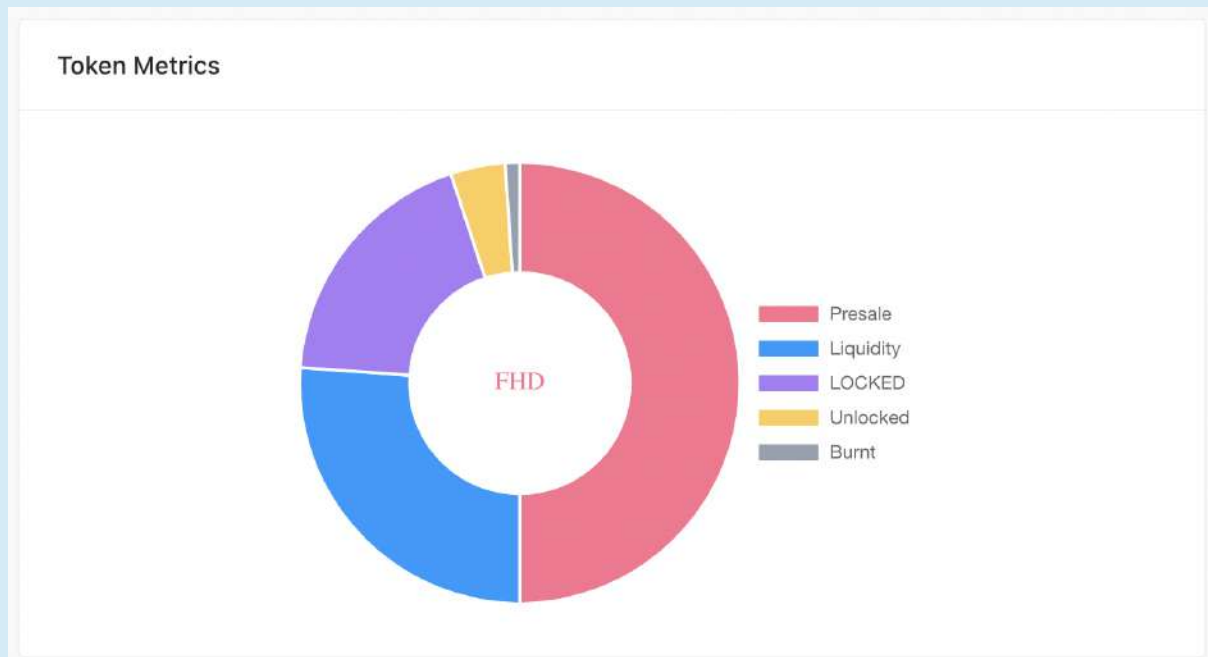
Anti Whale

- Owner cannot limit the number of wallet holdings.

Trading Cooldown

- Owner cannot set the selling time interval.

Token Metrics



Team Review

The FoxHood team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 2,554 people in their telegram group (count in audit date).

Official Website And Social Media

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

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

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

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 {
...
    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. FoxHood Contract

```
contract BABYTOKENDividendTracker is OwnableUpgradeable,
DividendPayingToken {
    using SafeMath for uint256;
    using SafeMathInt for int256;
    using IterableMapping for IterableMapping.Map;

    IterableMapping.Map private tokenHoldersMap;
    uint256 public lastProcessedIndex;

    mapping(address => bool) public excludedFromDividends;

    mapping(address => uint256) public lastClaimTimes;

    uint256 public claimWait;
    uint256 public minimumTokenBalanceForDividends;

    event ExcludeFromDividends(address indexed account);
    event ClaimWaitUpdated(uint256 indexed newValue, uint256
indexed oldValue);

    event Claim(
        address indexed account,
        uint256 amount,
        bool indexed automatic
    );

    function initialize(
        address rewardToken_,
        uint256 minimumTokenBalanceForDividends_
    ) external initializer {
        DividendPayingToken.__DividendPayingToken_init(
            rewardToken_,
            "DIVIDEND_TRACKER",
            "DIVIDEND_TRACKER"
        );
        claimWait = 3600;
        minimumTokenBalanceForDividends =
minimumTokenBalanceForDividends_;
    }

    function _transfer(
```

```

        address,
        address,
        uint256
    ) internal pure override {
        require(false, "Dividend_Tracker: No transfers allowed");
    }

    function withdrawDividend() public pure override {
        require(
            false,
            "Dividend_Tracker: withdrawDividend disabled. Use the
'claim' function on the main BABYTOKEN contract."
        );
    }

    function excludeFromDividends(address account) external
onlyOwner {
        require(!excludedFromDividends[account]);
        excludedFromDividends[account] = true;

        _setBalance(account, 0);
        tokenHoldersMap.remove(account);

        emit ExcludeFromDividends(account);
    }

    function isExcludedFromDividends(address account)
        public
        view
        returns (bool)
    {
        return excludedFromDividends[account];
    }

    function updateClaimWait(uint256 newClaimWait) external
onlyOwner {
        require(
            newClaimWait >= 3600 && newClaimWait <= 86400,
            "Dividend_Tracker: claimWait must be updated to
between 1 and 24 hours"
        );
        require(

```

```

        newClaimWait != claimWait,
        "Dividend_Tracker: Cannot update claimWait to same
value"
    );
    emit ClaimWaitUpdated(newClaimWait, claimWait);
    claimWait = newClaimWait;
}

function updateMinimumTokenBalanceForDividends(uint256 amount)
    external
    onlyOwner
{
    minimumTokenBalanceForDividends = amount;
}

function getLastProcessedIndex() external view returns
(uint256) {
    return lastProcessedIndex;
}

function getNumberOfTokenHolders() external view returns
(uint256) {
    return tokenHoldersMap.keys.length;
}

function getAccount(address _account)
    public
    view
    returns (
        address account,
        int256 index,
        int256 iterationsUntilProcessed,
        uint256 withdrawableDividends,
        uint256 totalDividends,
        uint256 lastClaimTime,
        uint256 nextClaimTime,
        uint256 secondsUntilAutoClaimAvailable
    )
{
    account = _account;

    index = tokenHoldersMap.getIndexOfKey(account);

```

```

iterationsUntilProcessed = -1;

if (index >= 0) {
    if (uint256(index) > lastProcessedIndex) {
        iterationsUntilProcessed = index.sub(
            int256(lastProcessedIndex)
        );
    } else {
        uint256 processesUntilEndOfArray =
tokenHoldersMap.keys.length >
        lastProcessedIndex
        ?
tokenHoldersMap.keys.length.sub(lastProcessedIndex)
        : 0;

        iterationsUntilProcessed = index.add(
            int256(processesUntilEndOfArray)
        );
    }
}

withdrawableDividends = withdrawableDividendOf(account);
totalDividends = accumulativeDividendOf(account);

lastClaimTime = lastClaimTimes[account];

nextClaimTime = lastClaimTime > 0 ?
lastClaimTime.add(claimWait) : 0;

secondsUntilAutoClaimAvailable = nextClaimTime >
block.timestamp
    ? nextClaimTime.sub(block.timestamp)
    : 0;
}

function getAccountAtIndex(uint256 index)
    public
    view
    returns (
        address,
        int256,

```

```

        uint256,
        uint256,
        uint256,
        uint256,
        uint256,
        uint256
    )
}

if (index >= tokenHoldersMap.size()) {
    return (address(0), -1, -1, 0, 0, 0, 0, 0);
}

address account = tokenHoldersMap.getKeyAtIndex(index);

return getAccount(account);
}

function canAutoClaim(uint256 lastClaimTime) private view
returns (bool) {
    if (lastClaimTime > block.timestamp) {
        return false;
    }

    return block.timestamp.sub(lastClaimTime) >= claimWait;
}

function setBalance(address payable account, uint256
newBalance)
    external
    onlyOwner
{
    if (excludedFromDividends[account]) {
        return;
    }
    if (newBalance >= minimumTokenBalanceForDividends) {
        _setBalance(account, newBalance);
        tokenHoldersMap.set(account, newBalance);
    } else {
        _setBalance(account, 0);
        tokenHoldersMap.remove(account);
    }
    processAccount(account, true);
}

```

```

    }

    function process(uint256 gas)
        public
        returns (
            uint256,
            uint256,
            uint256
        )
    {
        uint256 numberOfTokenHolders =
tokenHoldersMap.keys.length;

        if (numberOfTokenHolders == 0) {
            return (0, 0, lastProcessedIndex);
        }

        uint256 _lastProcessedIndex = lastProcessedIndex;

        uint256 gasUsed = 0;

        uint256 gasLeft = gasleft();

        uint256 iterations = 0;
        uint256 claims = 0;

        while (gasUsed < gas && iterations < numberOfTokenHolders)
    {
        _lastProcessedIndex++;

        if (_lastProcessedIndex >=
tokenHoldersMap.keys.length) {
            _lastProcessedIndex = 0;
        }

        address account =
tokenHoldersMap.keys[_lastProcessedIndex];

        if (canAutoClaim(lastClaimTimes[account])) {
            if (processAccount(payable(account), true)) {
                claims++;
            }
        }
    }

```



```

    }

    iterations++;

    uint256 newGasLeft = gasleft();

    if (gasLeft > newGasLeft) {
        gasUsed = gasUsed.add(gasLeft.sub(newGasLeft));
    }

    gasLeft = newGasLeft;
}

lastProcessedIndex = _lastProcessedIndex;

return (iterations, claims, lastProcessedIndex);
}

function processAccount(address payable account, bool
automatic)
    public
    onlyOwner
    returns (bool)
{
    uint256 amount = _withdrawDividendOfUser(account);

    if (amount > 0) {
        lastClaimTimes[account] = block.timestamp;
        emit Claim(account, amount, automatic);
        return true;
    }

    return false;
}
}

// Dependency file: contracts/BaseToken.sol

// pragma solidity =0.8.4;

enum TokenType {

```

```
    standard,  
    antiBotStandard,  
    liquidityGenerator,  
    antiBotLiquidityGenerator,  
    baby,  
    antiBotBaby,  
    buybackBaby,  
    antiBotBuybackBaby  
}
```

```
abstract contract BaseToken {  
    event TokenCreated(  
        address indexed owner,  
        address indexed token,  
        TokenType tokenType,  
        uint256 version  
    );  
}
```

// Root file: contracts/baby/BabyToken.sol

```
pragma solidity =0.8.4;
```

```
// import "@openzeppelin/contracts/token/ERC20/ERC20.sol";  
// import "@openzeppelin/contracts/token/ERC20/IERC20.sol";  
// import "@openzeppelin/contracts/access/Ownable.sol";  
// import "@openzeppelin/contracts/utils/math/SafeMath.sol";  
// import "@openzeppelin/contracts/proxy/Clones.sol";  
// import "contracts/interfaces/IUniswapV2Factory.sol";  
// import "contracts/interfaces/IUniswapV2Router02.sol";  
// import "contracts/baby/BabyTokenDividendTracker.sol";  
// import "contracts/BaseToken.sol";
```

```
contract BABYTOKEN is ERC20, Ownable, BaseToken {  
    using SafeMath for uint256;  
  
    uint256 public constant VERSION = 1;  
  
    IUniswapV2Router02 public uniswapV2Router;  
    address public uniswapV2Pair;
```

```
bool private swapping;

BABYTOKENDividendTracker public dividendTracker;

address public rewardToken;

uint256 public swapTokensAtAmount;

uint256 public tokenRewardsFee;
uint256 public liquidityFee;
uint256 public marketingFee;
uint256 public totalFees;

address public _marketingWalletAddress;

uint256 public gasForProcessing;

// exclude from fees and max transaction amount
mapping(address => bool) private _isExcludedFromFees;

// store addresses that a automatic market maker pairs. Any
transfer *to* these addresses
// could be subject to a maximum transfer amount
mapping(address => bool) public automatedMarketMakerPairs;

event UpdateDividendTracker(
    address indexed newAddress,
    address indexed oldAddress
);

event UpdateUniswapV2Router(
    address indexed newAddress,
    address indexed oldAddress
);

event ExcludeFromFees(address indexed account, bool
isExcluded);
    event ExcludeMultipleAccountsFromFees(address[] accounts, bool
isExcluded);

event SetAutomatedMarketMakerPair(address indexed pair, bool
indexed value);
```

```

event LiquidityWalletUpdated(
    address indexed newLiquidityWallet,
    address indexed oldLiquidityWallet
);

event GasForProcessingUpdated(
    uint256 indexed newValue,
    uint256 indexed oldValue
);

event SwapAndLiquify(
    uint256 tokensSwapped,
    uint256 ethReceived,
    uint256 tokensIntoLiquidity
);

event SendDividends(uint256 tokensSwapped, uint256 amount);

event ProcessedDividendTracker(
    uint256 iterations,
    uint256 claims,
    uint256 lastProcessedIndex,
    bool indexed automatic,
    uint256 gas,
    address indexed processor
);

constructor(
    string memory name_,
    string memory symbol_,
    uint256 totalSupply_,
    address[4] memory addrs, // reward, router, marketing
    wallet, dividendTracker
    uint256[3] memory feeSettings, // rewards, liquidity,
    marketing
    uint256 minimumTokenBalanceForDividends_,
    address serviceFeeReceiver_,
    uint256 serviceFee_
) payable ERC20(name_, symbol_) {
    rewardToken = addrs[0];
    _marketingWalletAddress = addrs[2];

```

```

require(
    msg.sender != _marketingWalletAddress,
    "Owner and marketing wallet cannot be the same"
);

tokenRewardsFee = feeSettings[0];
liquidityFee = feeSettings[1];
marketingFee = feeSettings[2];
totalFees =
tokenRewardsFee.add(liquidityFee).add(marketingFee);
require(totalFees <= 25, "Total fee is over 25%");
swapTokensAtAmount = totalSupply_.mul(2).div(10**6); //
0.002%

// use by default 300,000 gas to process auto-claiming
dividends
gasForProcessing = 300000;

dividendTracker = BABYTOKENDividendTracker(
    payable(Clones.clone(addr[3]))
);
dividendTracker.initialize(
    rewardToken,
    minimumTokenBalanceForDividends_
);

IUniswapV2Router02 _uniswapV2Router =
IUniswapV2Router02(addr[1]);
// Create a uniswap pair for this new token
address _uniswapV2Pair =
IUniswapV2Factory(_uniswapV2Router.factory())
.createPair(address(this), _uniswapV2Router.WETH());
uniswapV2Router = _uniswapV2Router;
uniswapV2Pair = _uniswapV2Pair;
_setAutomatedMarketMakerPair(_uniswapV2Pair, true);

// exclude from receiving dividends

dividendTracker.excludeFromDividends(address(dividendTracker));
dividendTracker.excludeFromDividends(address(this));
dividendTracker.excludeFromDividends(owner());
dividendTracker.excludeFromDividends(address(0xdead));

```

```

dividendTracker.excludeFromDividends(address(_uniswapV2Router));
    // exclude from paying fees or having max transaction
amount

    excludeFromFees(owner(), true);
    excludeFromFees(_marketingWalletAddress, true);
    excludeFromFees(address(this), true);
    /*
        _mint is an internal function in ERC20.sol that is
only called here,
        and CANNOT be called ever again
    */
    _mint(owner(), totalSupply_);

    emit TokenCreated(owner(), address(this), TokenType.baby,
VERSION);

    payable(serviceFeeReceiver_).transfer(serviceFee_);
}

receive() external payable {}

function setSwapTokensAtAmount(uint256 amount) external
onlyOwner {
    swapTokensAtAmount = amount;
}

function updateDividendTracker(address newAddress) public
onlyOwner {
    require(
        newAddress != address(dividendTracker),
        "BABYTOKEN: The dividend tracker already has that
address"
    );

    BABYTOKENDividendTracker newDividendTracker =
BABYTOKENDividendTracker(
        payable(newAddress)
    );

    require(
        newDividendTracker.owner() == address(this),

```

```

        "BABYTOKEN: The new dividend tracker must be owned by
the BABYTOKEN token contract"
    );

newDividendTracker.excludeFromDividends(address(newDividendTracker
));
    newDividendTracker.excludeFromDividends(address(this));
    newDividendTracker.excludeFromDividends(owner());

newDividendTracker.excludeFromDividends(address(uniswapV2Router));

    emit UpdateDividendTracker(newAddress,
address(dividendTracker));

    dividendTracker = newDividendTracker;
}

function updateUniswapV2Router(address newAddress) public
onlyOwner {
    require(
        newAddress != address(uniswapV2Router),
        "BABYTOKEN: The router already has that address"
    );
    emit UpdateUniswapV2Router(newAddress,
address(uniswapV2Router));
    uniswapV2Router = IUniswapV2Router02(newAddress);
    address _uniswapV2Pair =
IUniswapV2Factory(uniswapV2Router.factory())
        .createPair(address(this), uniswapV2Router.WETH());
    uniswapV2Pair = _uniswapV2Pair;
}

function excludeFromFees(address account, bool excluded)
public onlyOwner {
    require(
        _isExcludedFromFees[account] != excluded,
        "BABYTOKEN: Account is already the value of
'excluded'"
    );
    _isExcludedFromFees[account] = excluded;
}

```



```

        emit ExcludeFromFees(account, excluded);
    }

    function excludeMultipleAccountsFromFees(
        address[] calldata accounts,
        bool excluded
    ) public onlyOwner {
        for (uint256 i = 0; i < accounts.length; i++) {
            _isExcludedFromFees[accounts[i]] = excluded;
        }

        emit ExcludeMultipleAccountsFromFees(accounts, excluded);
    }

    function setMarketingWallet(address payable wallet) external
    onlyOwner {
        _marketingWalletAddress = wallet;
    }

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

    function setLiquidityFee(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%");
    }

    function setAutomatedMarketMakerPair(address pair, bool value)

```

```

    public
    onlyOwner
    {
        require(
            pair != uniswapV2Pair,
            "BABYTOKEN: The PancakeSwap pair cannot be removed
from automatedMarketMakerPairs"
        );

        _setAutomatedMarketMakerPair(pair, value);
    }

    function _setAutomatedMarketMakerPair(address pair, bool
value) private {
        require(
            automatedMarketMakerPairs[pair] != value,
            "BABYTOKEN: Automated market maker pair is already set
to that value"
        );
        automatedMarketMakerPairs[pair] = value;

        if (value) {
            dividendTracker.excludeFromDividends(pair);
        }

        emit SetAutomatedMarketMakerPair(pair, value);
    }

    function updateGasForProcessing(uint256 newValue) public
onlyOwner {
        require(
            newValue >= 200000 && newValue <= 500000,
            "BABYTOKEN: gasForProcessing must be between 200,000
and 500,000"
        );
        require(
            newValue != gasForProcessing,
            "BABYTOKEN: Cannot update gasForProcessing to same
value"
        );
        emit GasForProcessingUpdated(newValue, gasForProcessing);
        gasForProcessing = newValue;
    }

```

```

    }

    function updateClaimWait(uint256 claimWait) external onlyOwner
    {
        dividendTracker.updateClaimWait(claimWait);
    }

    function getClaimWait() external view returns (uint256) {
        return dividendTracker.claimWait();
    }

    function updateMinimumTokenBalanceForDividends(uint256 amount)
        external
        onlyOwner
    {
dividendTracker.updateMinimumTokenBalanceForDividends(amount);
    }

    function getMinimumTokenBalanceForDividends()
        external
        view
        returns (uint256)
    {
        return dividendTracker.minimumTokenBalanceForDividends();
    }

    function getTotalDividendsDistributed() external view returns
(uint256) {
        return dividendTracker.totalDividendsDistributed();
    }

    function isExcludedFromFees(address account) public view
returns (bool) {
        return _isExcludedFromFees[account];
    }

    function withdrawableDividendOf(address account)
        public
        view
        returns (uint256)
    {

```

```

        return dividendTracker.withdrawableDividendOf(account);
    }

    function dividendTokenBalanceOf(address account)
        public
        view
        returns (uint256)
    {
        return dividendTracker.balanceOf(account);
    }

    function excludeFromDividends(address account) external
    onlyOwner {
        dividendTracker.excludeFromDividends(account);
    }

    function isExcludedFromDividends(address account)
        public
        view
        returns (bool)
    {
        return dividendTracker.isExcludedFromDividends(account);
    }

    function getAccountDividendsInfo(address account)
        external
        view
        returns (
            address,
            int256,
            int256,
            uint256,
            uint256,
            uint256,
            uint256,
            uint256
        )
    {
        return dividendTracker.getAccount(account);
    }

    function getAccountDividendsInfoAtIndex(uint256 index)

```

```

    external
    view
    returns (
        address,
        int256,
        int256,
        uint256,
        uint256,
        uint256,
        uint256,
        uint256
    )
{
    return dividendTracker.getAccountAtIndex(index);
}

function processDividendTracker(uint256 gas) external {
    (
        uint256 iterations,
        uint256 claims,
        uint256 lastProcessedIndex
    ) = dividendTracker.process(gas);
    emit ProcessedDividendTracker(
        iterations,
        claims,
        lastProcessedIndex,
        false,
        gas,
        tx.origin
    );
}

function claim() external {
    dividendTracker.processAccount(payable(msg.sender),
false);
}

function getLastProcessedIndex() external view returns
(uint256) {
    return dividendTracker.getLastProcessedIndex();
}

```

```

function getNumberOfDividendTokenHolders() external view
returns (uint256) {
    return dividendTracker.getNumberOfTokenHolders();
}

function _transfer(
    address from,
    address to,
    uint256 amount
) internal override {
    require(from != address(0), "ERC20: transfer from the zero
address");
    require(to != address(0), "ERC20: transfer to the zero
address");

    if (amount == 0) {
        super._transfer(from, to, 0);
        return;
    }

    uint256 contractTokenBalance = balanceOf(address(this));

    bool canSwap = contractTokenBalance >= swapTokensAtAmount;

    if (
        canSwap &&
        !swapping &&
        !automatedMarketMakerPairs[from] &&
        from != owner() &&
        to != owner()
    ) {
        swapping = true;

        uint256 marketingTokens = contractTokenBalance
            .mul(marketingFee)
            .div(totalFees);
        swapAndSendToFee(marketingTokens);

        uint256 swapTokens =
contractTokenBalance.mul(liquidityFee).div(
            totalFees
        );
    }
}

```

```

        swapAndLiquify(swapTokens);

        uint256 sellTokens = balanceOf(address(this));
        swapAndSendDividends(sellTokens);

        swapping = false;
    }

    bool takeFee = !swapping;

    // if any account belongs to _isExcludedFromFee account
then remove the fee
    if (_isExcludedFromFees[from] || _isExcludedFromFees[to])
    {
        takeFee = false;
    }

    if (takeFee) {
        uint256 fees = amount.mul(totalFees).div(100);
        if (automatedMarketMakerPairs[to]) {
            fees += amount.mul(1).div(100);
        }
        amount = amount.sub(fees);

        super._transfer(from, address(this), fees);
    }

    super._transfer(from, to, amount);

    try
        dividendTracker.setBalance payable(from),
balanceOf(from))
    {} catch {}
    try dividendTracker.setBalance payable(to), balanceOf(to))
    {} catch {}

    if (!swapping) {
        uint256 gas = gasForProcessing;

        try dividendTracker.process(gas) returns (
            uint256 iterations,
            uint256 claims,

```



```

        uint256 lastProcessedIndex
    ) {
        emit ProcessedDividendTracker(
            iterations,
            claims,
            lastProcessedIndex,
            true,
            gas,
            tx.origin
        );
    } catch {}
}

function swapAndSendToFee(uint256 tokens) private {
    uint256 initialCAKEBalance =
IERC20(rewardToken).balanceOf(
    address(this)
);

    swapTokensForCake(tokens);
    uint256 newBalance =
(IERC20(rewardToken).balanceOf(address(this))).sub(
    initialCAKEBalance
);
    IERC20(rewardToken).transfer(_marketingWalletAddress,
newBalance);
}

function swapAndLiquify(uint256 tokens) private {
    // split the contract balance into halves
    uint256 half = tokens.div(2);
    uint256 otherHalf = tokens.sub(half);

    // capture the contract's current ETH balance.
    // this is so that we can capture exactly the amount of
ETH that the
    // swap creates, and not make the liquidity event include
any ETH that
    // has been manually sent to the contract
    uint256 initialBalance = address(this).balance;

```

```

        // swap tokens for ETH
        swapTokensForEth(half); // <- this breaks the ETH -> HATE
        swap when swap+liquify is triggered

        // how much ETH did we just swap into?
        uint256 newBalance =
        address(this).balance.sub(initialBalance);

        // add liquidity to uniswap
        addLiquidity(otherHalf, newBalance);

        emit SwapAndLiquify(half, newBalance, otherHalf);
    }

    function swapTokensForEth(uint256 tokenAmount) private {
        // generate the uniswap pair path of token -> weth
        address[] memory path = new address[](2);
        path[0] = address(this);
        path[1] = uniswapV2Router.WETH();

        _approve(address(this), address(uniswapV2Router),
        tokenAmount);

        // make the swap

        uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens
        (
            tokenAmount,
            0, // accept any amount of ETH
            path,
            address(this),
            block.timestamp
        );
    }

    function swapTokensForCake(uint256 tokenAmount) private {
        address[] memory path = new address[](3);
        path[0] = address(this);
        path[1] = uniswapV2Router.WETH();
        path[2] = rewardToken;

        _approve(address(this), address(uniswapV2Router),

```

```

tokenAmount);

    // make the swap

    uniswapV2Router.swapExactTokensForTokensSupportingFeeOnTransferTok
ens(
    tokenAmount,
    0,
    path,
    address(this),
    block.timestamp
);
}

function addLiquidity(uint256 tokenAmount, uint256 ethAmount)
private {
    // approve token transfer to cover all possible scenarios
    _approve(address(this), address(uniswapV2Router),
tokenAmount);

    // add the liquidity
    uniswapV2Router.addLiquidityETH{value: ethAmount}(
        address(this),
        tokenAmount,
        0, // slippage is unavoidable
        0, // slippage is unavoidable
        address(0),
        block.timestamp
    );
}

function swapAndSendDividends(uint256 tokens) private {
    swapTokensForCake(tokens);
    uint256 dividends =
IERC20(rewardToken).balanceOf(address(this));
    bool success = IERC20(rewardToken).transfer(
        address(dividendTracker),
        dividends
    );

    if (success) {
        dividendTracker.distributeCAKEDividends(dividends);

```

```
        emit SendDividends(tokens, dividends);
    }
}
```

4. Tax Fee contract

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

function setLiquidityFee(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 can't set fees over 25%

READ CONTRACT (ONLY NEED TO KNOW)

1. Version

1 uint256

(Shows Contract Versions)

2. _marketingWalletAddress

0x31a21456bc5335ef5595955f19e100b2544c4f70 address

(Shows marketing wallet address)

3. tokenRewardsFee

6 uint256

(Function for read token reward fee)

4. liquidityFee

3 uint256

(Function for read liquidity fee)

5. marketingFee

4 uint256

(Function for read marketing fee)

6. name

Foxhood string

(Function for read Token name)

WRITE CONTRACT

1. renounceOwnership

(Renouncing ownership will leave the contract without an owner, thereby removing any functionality that is only available to the owner)

2. transferOwnership

newOwner (address)

(Its function is to change the owner)

3. setLiquidityFee (cannot set over 25%)

value (uint 256)

(The form is filled with new fee, for change liquidity fee)

4. setMarketingFee (cannot set over 25%)

value (uint 256)

(The form is filled with new fee, for change marketing fee)


5. setTokenRewardsFee



value (uint 256)

(The form is filled with new fee, for change Token Rewards fee)

BlockSAFU TOKEN SCANNER

<https://blocksafu.com/token-scanner>

 **BlockSAFU** Products ▾ Knowledge ▾ Company ▾ Token Earn Request Service


 **BlockSAFU is Official Audit Partner Of**  **PinkSale**

BlockSAFU Token Scanner

0x5E8CA468359475756f5bb687261ff2b9Fda3ba0b

Scan

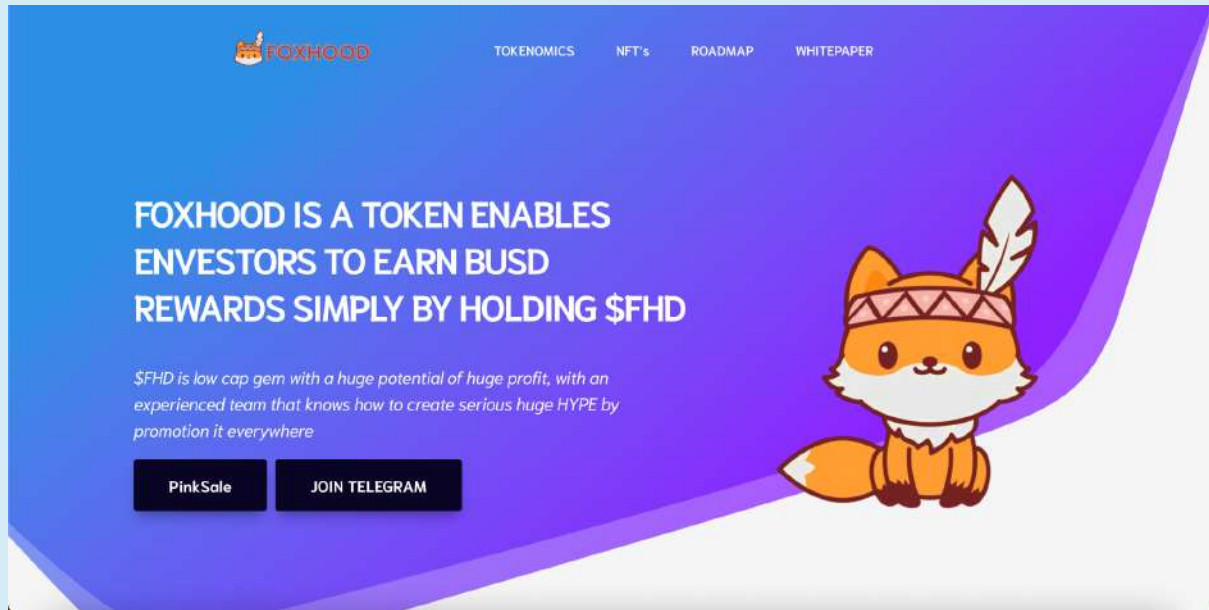
There is no liquidity available for this contract.

BlockSAFU Token Scanner Score:

85
Score

Token Information		Security Information	
Indicator	Value	Indicator	Value
Token Name	Foxhood	Honeypot	Liquidity Not Available
Token Symbol	FHD	Buy Fees	0%
Total Supply	100,000,000,000	Sell Fees	0%
Already Listed On Dex	Already Listed	Buy Gas	0 Gwei (0.000000 BNB / \$0.00)
Dex Listed	PancakeV2	Sell Gas	0 Gwei (0.000000 BNB / \$0.00)
Open Source	Open Source	Holder Count	4 Holders
Price	\$0.00000000		
Volume 24H	\$0.00		
Liquidity	\$0 (0.00 BNB)		
Tx Count 24H	0		
Marketcap	\$0		

Honeypot Safety		Rug Pull Safety	
Indicator	Value	Indicator	Value
Can Take Back Ownership	✔ Not detected	Hidden Owner	✔ Not detected
Owner Change Balance	✔ Not detected	Creator Address	0x7abb22db...6b0 🔗
Blacklist	✔ Not detected	Creator Balance	4,000,000,000 FHD
Modify Fees	❌ Detected	Creator Percent	4%
Proxy	✔ Not detected	Owner Address	0x7abb22db...6b0 🔗
Whitelisted	✔ Not detected	Owner Balance	4,000,000,000 FHD
Anti Whale	✔ Not detected	Owner Percent	4%
Trading Coodown	✔ Not detected	Lp Holder Count	0
Transfer Pausable	✔ Not detected	Lp Total Supply	NaN
Cannot Sell All	✔ Not detected	Mint	✔ Not detected

WEBSITE REVIEW



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

Web-Tech stack: jQuery (Need update version), Bootstrap (Need Update version)

Domain .finance (hostinger) - Tracked by whois

First Contentful Paint:	901ms
Fully Loaded Time	3.8s
Performance	75%
Accessibility	96%
Best Practices	75%
SEO	91%

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 Not yet KYC on Blocksafu

HONEYPOT REVIEW

- Ability to sell.
- The owner is not able to pause the contract.
- The owner can't set fees 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.