



BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT



Project: Rayons Energy

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

BlockSAFU Score:

22

Contract Address:

0x10a8a42BDd905928d925C056901450D711f3Ad76

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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

Mint Function

- No mint functions.

Fees

- Buy 10% (owner can set fees up to 100%).
- Sell 10% (owner can set fees up to 100%).

Tx Amount

- Owner can set max tx amount.

Transfer Pausable

- Owner cannot pause.

Blacklist

- Owner can set blacklist.

Ownership

- Owner cannot take back ownership.

Proxy

- This contract has no proxy.

Anti Whale

- Owner can limit the number of wallet holdings.

Trading Cooldown

- Owner can set the selling time interval.

SMART CONTRACT REVIEW

Token Name	RYS
Token Symbol	\$RYS
Token Decimal	18
Total Supply	20,000,000,000 \$RYS
Contract Address	0x10a8a42BDd905928d925C056901450D711f3Ad76
Deployer Address	0xf7ac41C8AAE64c86b286DEf9D0B4844468343cCE
Owner Address	0x32fE0ba05C9ef96A7C78671E524bEE7732fC744E
Tax Fees Buy	10%
Tax Fees Sell	10%
Gas Used for Buy	<i>will be update after dex listing</i>
Gas Used for Sell	<i>will be update after dex listing</i>
Contract Created	Sep-21-2022 06:53:27 PM +UTC
Initial Liquidity	<i>will be update after dex listing</i>
Liquidity Status	Locked
Unlocked Date	<i>will be update after dex listing</i>
Verified CA	Yes
Compiler	v0.8.4+commit.c7e474f2
Optimization	Yes with 200 runs
Sol License	MIT License
Other	default evmVersion

TAX

BUY	10%	address	SELL	10%
Buy Fee	10%	send to RYS contract address	Sell Fee	10%

Token Holder

Rank	Address	Quantity	Percentage	Analytics
1	0x32fe0ba05c9ef96a7c78671e524bee7732fc744e	20,000,000,000	<div><div>100.0000%</div></div>	View

[Download CSV] [Export]

Team Review

The RayonsEnergy team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 41 people in their telegram group (count in audit date).

Official Website And Social Media

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

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

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

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

5 high-risk code issues found

Must be fixed, and will bring problem.

1. The owner can set blacklist

Recommendation: remove function blacklist

```
function changeBlacklistUser(address user, bool isTrue) external  
onlyOwner {  
    _isBlackListAddress[user] = isTrue;  
    emit UpdatedBlackList(user, isTrue);  
}
```

2. The owner can set fees up to 100%

Recommendation: Give limitations can't set over 25%

```
function changeFees(uint256 _buyFee, uint256 _sellFee, uint256  
_liquidityPercent) external onlyOwner {  
    buyFee = _buyFee;  
    sellFee = _sellFee;  
    liquidityPercent = _liquidityPercent;  
}
```

3. The owner can set max tx amount without limit (can be set 1 or zero)

Recommendation:

1. Give limitation can't set maxtxamount below 0.1% from total supply

```
function setLimitContract(uint256 _maxWalletBalance, uint256  
_maxBuyAmount, uint256 _maxSellAmount, uint256 _maxTxAmount)  
external onlyOwner {  
    maxWalletBalance = _maxWalletBalance * _decimalFactor;  
    maxBuyAmount = _maxBuyAmount * _decimalFactor;  
    maxSellAmount = _maxSellAmount * _decimalFactor;  
    maxTxAmount = _maxTxAmount * _decimalFactor;  
}
```


4. The owner can set max buy and sell amount without limit

Recommendation:

1. Give limitation can't set max sell amount below 0.1% from total supply

```
function setLimitContract(uint256 _maxWalletBalance, uint256
_maxBuyAmount, uint256 _maxSellAmount, uint256 _maxTxAmount)
external onlyOwner {
    maxWalletBalance = _maxWalletBalance * _decimalFactor;
    maxBuyAmount = _maxBuyAmount * _decimalFactor;
    maxSellAmount = _maxSellAmount * _decimalFactor;
    maxTxAmount = _maxTxAmount * _decimalFactor;
}
```

5. The owner can set trading cooldown without time limit

Recommendation:

1. Give limitation cannot set over 1 hour

```
function setActiveCoolDown(bool _buyCooldownEnabled, bool
_sellCooldownEnabled, uint8 _cooldownTimerInterval) external
onlyOwner {
    buyCooldownEnabled = _buyCooldownEnabled; // Ativa e
Desativa Cooldown Buy
    sellCooldownEnabled = _sellCooldownEnabled; // Ativa e
Desativa Cooldown Sell
    cooldownTimerInterval = _cooldownTimerInterval; // Define
Segundos entre Compra e Venda
}
```

● Critical-Risk

0 critical-risk code issues found

Must be fixed, and will bring problem.

EXTRA NOTES SMART CONTRACT

1. IBEP20

```
interface IBEP20 {  
    /**  
     * @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);  
    ...  
}
```

IBEP20 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. Rayons Energy Contract

```
/**
 * Develop by CPTRedHawk
 * @ Esse contrato Foi desenvolvido por https://t.me/redhawknfts
 * Caso queira ter uma plataforma similar, gentileza chamar no
 Telegram!
 * SPDX-License-Identifier: MIT
 * Entrega teu caminho ao senhor, e tudo ele o fará! Salmos 37
 */

pragma solidity ^0.8.17;

import "./interfaceIBEP20.sol";
import "./SafeMath.sol";
import "./Ownable.sol";
import "./Address.sol";
import "./interfaceIUniswapV2Factory.sol";
import "./interfaceIUniswapV2Pair.sol";
import "./interfaceIUniswapV2Router01.sol";
import "./interfaceIUniswapV2Router02.sol";

contract RYSToken is IBEP20, Ownable {
    /*=== SafeMath ===*/
    using SafeMath for uint256;
    using Address for address;
    /*=== Endereços ===*/
    address private burnAddress = address(0); // Endereço de
Queima
    address private internalOperationAddress; // Distribui as
Recompensas para os Holders
    IUniswapV2Router02 public uniswapV2Router; // Endereço Router
    address public uniswapV2Pair; // Par LGK/BNB
    /*=== Mapeamento ===*/
    mapping (address => uint256) private _balance; // Saldo dos
Holders
    mapping (address => bool) public _excludeFromFee; // Nao paga
Taxas
    mapping (address => bool) private automatedMarketMakerPairs;
    // Automatizado de Trocas
    mapping (address => mapping(address => uint256)) private
```

```

_allowances; // Subsidio
    mapping (address => bool) public isTimelockExempt; // Nao tem
    Tempo de Espera
    mapping (address => uint) public cooldownTimerBuy; // Tempo de
    Compra
    mapping (address => uint) public cooldownTimerSell; // Tempo
    de Venda
    mapping (address => bool) public _isBlackListAddress; //
    Adiciona na Lista Negra
    /*=== Unitarios ===*/
    uint8 private _decimals = 18;
    uint8 public cooldownTimerInterval = 5; // Tempo de espera
    entre compra e venda
    uint256 private _decimalFactor = 10**_decimals; // Fator
    Decimal
    uint256 private _tSupply = 20000000000 * _decimalFactor; //
    Supply Legitimik
    uint256 public buyFee = 10; // Taxa de Compra
    uint256 private previousBuyFee; // Armazena Taxa de Compra
    uint256 public sellFee = 10; // Taxa de Venda
    uint256 private previousSellFee; // Armazena Taxa de Venda
    uint256 private limitBurn = 200000000 * _decimalFactor;
    uint256 public liquidityPercent = 10; // Taxa de Liquidez 20%
    uint256 public maxWalletBalance = 5000000000 * _decimalFactor;
    // 1% do Supply
    uint256 public maxBuyAmount = 5000000000 * _decimalFactor; //
    1% do Supply
    uint256 public maxSellAmount = 5000000000 * _decimalFactor; //
    1% do Supply
    uint256 public maxTxAmount = 5000000000 * _decimalFactor; //
    1% do Supply
    uint256 public numberOfTokensToSwapToLiquidity = 500 *
    _decimalFactor; // 0,05% do Supply
    /*=== Boolean ===*/
    bool private inSwapAndLiquify;
    bool private coolDownUser;
    bool private blackUser;
    bool private swapping;
    bool private activeDividends = true;
    bool public buyCooldownEnabled = true;
    bool public sellCooldownEnabled = true;
    bool private isSendToken = true;

```

```

bool private blackEnabled = true;
bool private swapAndLiquifyEnabled = true;
/*=== Strings ===*/
string private _name = "RYS";
string private _symbol = "$RYS";
/*=== Modifiers ===*/
modifier lockTheSwap {
    inSwapAndLiquify = true;
    _;
    inSwapAndLiquify = false;
}
modifier lockCoolDown {
    coolDownUser = true;
    _;
    coolDownUser = false;
}
modifier blacklist {
    blackUser = true;
    _;
    blackUser = false;
}

/*=== Construtor ===*/
constructor() {
    // IUniswapV2Router02 _uniswapV2Router =
    IUniswapV2Router02(0xD99D1c33F9fC3444f8101754aBC46c52416550D1); //
    PancakeSwap Router Testnet
    IUniswapV2Router02 _uniswapV2Router =
    IUniswapV2Router02(0x10ED43C718714eb63d5aA57B78B54704E256024E); //
    PancakeSwap Router Mainnet
    address pairCreated =
    IUniswapV2Factory(_uniswapV2Router.factory()).createPair(address(t
his), _uniswapV2Router.WETH()); // Gera o Par RYS/BNB
    uniswapV2Router = _uniswapV2Router; // Armazena Rota
    uniswapV2Pair = pairCreated; // Armazena Par
    _balance[0x32fE0ba05C9ef96A7C78671E524bEE7732fC744E] =
    _tSupply; // Define Owner como Detentor dos _Tokens
    internalOperationAddress = owner(); // Define Endereço de
    Operações

```

```

_excludeFromFee[0x32fE0ba05C9ef96A7C78671E524bEE7732fC744E] =
true; // Define Owner como True para não pagar Taxas
    _excludeFromFee[owner()] = true; // Define Owner como True
para não pagar Taxas
    _excludeFromFee[address(this)] = true; // Define Contrato
como True para não pagar Taxas
    _excludeFromFee[internalOperationAddress] = true; //
Define internalOperationAddress como True para não pagar Taxas

isTimelockExempt[0x32fE0ba05C9ef96A7C78671E524bEE7732fC744E] =
true; // Owner Nao tem tempo de espera para compra e venda
    isTimelockExempt[owner()] = true; // Owner Nao tem tempo
de espera para compra e venda
    isTimelockExempt[address(this)] = true; // Contrato Nao
tem tempo de espera para compra e venda
    _setAutomatedMarketMakerPair(pairCreated, true); // Pair é
o Automatizador de Transações
    _approve(owner(), address(uniswapV2Router), ~uint256(0));
// Aprova Tokens para Add Liquidez
    emit Transfer(address(0),
0x32fE0ba05C9ef96A7C78671E524bEE7732fC744E, _tSupply); // Emite um
Evento de Cunhagem
}
/*=== Receive ===*/
receive() external payable {}
/*=== Public View ===*/
function name() public view override returns(string memory) {
return _name; } // Nome do Token
function symbol() public view override returns(string memory)
{ return _symbol; } // Simbolo do Token
function decimals() public view override returns(uint8) {
return _decimals; } // Decimais
function totalSupply() public view override returns(uint256) {
return _tSupply; } // Supply Total
function balanceOf(address account) public view override
returns(uint256) { return _balance[account]; } // Retorna o Saldo
em Carteira
function allowance(address owner, address spender) public view
override returns(uint256) { return _allowances[owner][spender]; }
// Subsidio Restante
/*=== Eventos ===*/

```

```

    event SetAutomatedMarketMakerPair(address indexed pair, bool
indexed value);
    event SwapAndLiquify(uint256 tokensSwapped, uint256
ethReceived, uint256 tokensIntoLiquidity);
    event SwapAndLiquifyEnabledUpdated(bool indexed enabled);
    event LiquidityAdded(uint256 tokenAmountSent, uint256
ethAmountSent, uint256 liquidity);
    event UpdatedBlackList(address indexed account, bool
isExcluded);
    event SentBNBInternalOperation(address usr, uint256 amount);
    /*=== Private/Internal ===*/
    function _setRouterAddress(address router) private {
        IUniswapV2Router02 _uniswapV2Router =
IUniswapV2Router02(router); // Router
        address pairCreated =
IUniswapV2Factory(_uniswapV2Router.factory()).createPair(address(t
his), _uniswapV2Router.WETH()); // Gera o Par LGK/BNB
        uniswapV2Router = _uniswapV2Router; // Armazena Rota
        uniswapV2Pair = pairCreated; // Armazena Par
        _setAutomatedMarketMakerPair(uniswapV2Pair, true); //
Armazena o novo Par como o Automatizador de Trocas
    }
    function _setAutomatedMarketMakerPair(address pair, bool
value) private {
        require(automatedMarketMakerPairs[pair] != value, "O pair
de AutomatedMarketMakerPair ja esta definido para esse valor");
        automatedMarketMakerPairs[pair] = value; // Booleano
        emit SetAutomatedMarketMakerPair(pair, value); // Emite um
Evento para um Novo Automatizador de Trocas
    }
    function _approve(address owner, address spender, uint256
amount) internal {
        require(owner != address(0), "Owner nao pode ser Address
0");
        require(spender != address(0), "Owner nao pode ser Address
0");
        _allowances[owner][spender] = amount;
        emit Approval(owner, spender, amount);
    }
    function _spendAllowance(address owner, address spender,
uint256 amount) internal {
        uint256 currentAllowance = allowance(owner, spender);

```



```

        if(currentAllowance != type(uint256).max) {
            require(currentAllowance >= amount, "subsídio
insuficiente");
            _approve(owner, spender, currentAllowance - amount);
        }
    }
    function _unlimitedAddress(address account) internal view
returns(bool) {
        if(!_excludeFromFee[account]) {
            return true;
        }
        else {return false;}
    }
    function buyCooldown(address to) private lockCoolDown {
        cooldownTimerBuy[to] = block.timestamp; // Ativa o Tempo
de Compra
    }
    function sellCooldown(address from) private lockCoolDown {
        cooldownTimerSell[from] = block.timestamp; // Ativa o
Tempo de Venda
    }
    function lockToBuyOrSellForTime(uint256 lastBuyOrSellTime,
uint256 lockTime) private lockCoolDown returns (bool) {
        uint256 crashTime = lastBuyOrSellTime + lockTime;
        uint256 currentTime = block.timestamp;
        if(currentTime >= crashTime) {
            return true;
        }

        return false;
    }
    function getFromLastPurchaseBuy(address walletBuy) private
view returns (uint) {
        return cooldownTimerBuy[walletBuy];
    }
    function getFromLastSell(address walletSell) private view
returns (uint) {
        return cooldownTimerSell[walletSell];
    }
    function _beforeTokenTransfer( address from, address to,
uint256 amount ) internal virtual{}
    function _afterTokenTransfer( address from, address to,

```

```

uint256 amount ) internal virtual{
    function _transferTokens(address from, address to, uint256
amount) internal {
        require(to != from, "Nao pode enviar para o mesmo
Endereco");
        require(amount > 0, "Saldo precisa ser maior do que
Zero");
        _beforeTokenTransfer(from, to, amount);

        if(blackEnabled && !blackUser) {
            require(!_isBlacklist(from) && !_isBlacklist(to), "Voce
esta na Lista Negra");
        }

        uint256 fromBalance = _balance[from];
        require(fromBalance >= amount, "Voce nao tem Limite de
Saldo");
        _balance[from] = fromBalance - amount;

        uint256 contractTokenBalance = balanceOf(address(this));
        if (!automatedMarketMakerPairs[from] &&
automatedMarketMakerPairs[to]) {
            swapping = true;
            liquify( contractTokenBalance, from );
            swapping = false;
        }

        bool takeFee = true;

        if(_excludeFromFee[from] || _excludeFromFee[to]){
            takeFee = false;
        }

        if(!takeFee) removeAllFee(); // Remove todas as Taxa

        uint256 fees; // Taxas de Compra, Vendas e
Transferencias!

        if(!automatedMarketMakerPairs[from] &&
!automatedMarketMakerPairs[to] ) {
            if (amount > maxTxAmount &&
!_unlimitedAddress(from) && !_unlimitedAddress(to)) {

```

```

        revert("Montante de Venda nao pode ultrapassar
limite");
    }
}

    if(automatedMarketMakerPairs[from]) {
        fees = amount.mul(buyFee).div(100); // Define taxa
de Compra
        if (amount > maxBuyAmount &&
!_unlimitedAddress(from) && !_unlimitedAddress(to)) {
            revert("Montante de Venda nao pode ultrapassar
limite");
        }

        if(buyCooldownEnabled && !isTimelockExempt[to] &&
!cooldownUser) {

require(lockToBuyOrSellForTime(getFromLastPurchaseBuy(to),
cooldownTimerInterval), "Por favor, aguarde o cooldown entre as
compras");

            buyCoolDown(to);
        }
    }
    else if(automatedMarketMakerPairs[to]) {
        fees = amount.mul(sellFee).div(100); // Define
taxa de Venda
        if (amount > maxSellAmount &&
!_unlimitedAddress(from) && !_unlimitedAddress(to)) {
            revert("Montante de Venda nao pode ultrapassar
limite");
        }

        if(sellCooldownEnabled && !isTimelockExempt[from]
&& !cooldownUser) {

require(lockToBuyOrSellForTime(getFromLastSell(from),
cooldownTimerInterval), "Por favor, aguarde o cooldown entre as
vendas");

            sellCoolDown(from);
        }
    }
}

```

```

        if(maxWalletBalance > 0 && !_unlimitedAddress(from) &&
!_unlimitedAddress(to) && !automatedMarketMakerPairs[to]) {
            uint256 recipientBalance = balanceOf(to); //
Define o Maximo por Wallet
            require(recipientBalance.add(amount) <=
maxWalletBalance, "Nao pode Ultrapassar o limite por Wallet");
        }

        if(fees != 0) {
            amount = amount.sub(fees);
            _balance[address(this)] += fees;
            emit Transfer(from, address(this), fees); // Emite
um Evento de Envio de Taxas
        }

        _balance[to] += amount;

        emit Transfer(from, to, amount); // Emite um Evento de
Transferencia
        _afterTokenTransfer(from, to, amount);
        if(!takeFee) restoreAllFee(); // Retorna todas as Taxa
    }
    function removeAllFee() private {
        previousBuyFee = buyFee; // Armazena Taxa Anterior
        previousSellFee = sellFee; // Armazena Taxa Anterior
        buyFee = 0; // Taxa 0
        sellFee = 0; // Taxa 0
    }
    function restoreAllFee() private {
        buyFee = previousBuyFee; // Restaura Taxas
        sellFee = previousSellFee; // Restaura Taxas
    }
    function liquify(uint256 contractTokenBalance, address sender)
internal {

        if (contractTokenBalance >=
numberOfTokensToSwapToLiquidity) contractTokenBalance =
numberOfTokensToSwapToLiquidity; // Define se a Quantidade de
Tokens para

```

```

        bool isOverRequiredTokenBalance = ( contractTokenBalance
        >= numberOfTokensToSwapToLiquidity ); // Booleano

        if ( isOverRequiredTokenBalance && swapAndLiquifyEnabled
        && !inSwapAndLiquify && (!automatedMarketMakerPairs[sender]) ) {
            uint256 tokenLiquidity =
            contractTokenBalance.mul(liquidityPercent).div(100); // Quantidade
            de Tokens que vai para Liquidez
            uint256 toSwapBNB =
            contractTokenBalance.sub(tokenLiquidity); // Quantidade de Tokens
            para Venda
            _swapAndLiquify(tokenLiquidity); // Adiciona Liquidez
            _sendBNBToContract(toSwapBNB); // Troca Tokens por BNB
        }

    }

    function _swapAndLiquify(uint256 amount) private lockTheSwap {
        uint256 half = amount.div(2); // Divide para Adicionar
        Liquidez
        uint256 otherHalf = amount.sub(half); // Divide para
        Adicionar Liquidez
        uint256 initialBalance = address(this).balance; //
        Armazena o Saldo Inicial em BNB
        _swapTokensForEth(half); // Efetua a troca de Token por
        BNB
        uint256 newBalance =
        address(this).balance.sub(initialBalance); // Saldo atual em BNB -
        Saldo Antigo
        _addLiquidity(otherHalf, newBalance); // Adiciona Liquidez
        emit SwapAndLiquify(half, newBalance, otherHalf); // Emite
        Evento de Swap
    }

    function _sendBNBToContract(uint256 tAmount) private
    lockTheSwap {
        _swapTokensForEth(tAmount); // Vende os Tokens por BNB e
        envia para o Contrato
        if(isSendToken) {
            uint256 initialBalance = address(this).balance;
            if(initialBalance > 0) {

                (bool sent, ) =

```

```

internalOperationAddress.call{value: address(this).balance}("");
    if(sent) {
        emit
SentBNBInternalOperation(internalOperationAddress,
initialBalance);
    }
}

function _swapTokensForEth(uint256 tokenAmount) private {
    address[] memory path = new address[](2); // Path Memory
para inicia a venda dos Tokens
    path[0] = address(this); // Endereço do Contrato
    path[1] = uniswapV2Router.WETH(); // Par de Troca (BNB)
    _approve(address(this), address(uniswapV2Router),
tokenAmount); // Aprova os Tokens para Troca

    uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens
(
    tokenAmount, // Saldo para Swap
    0, // Amount BNB
    path, // Path [address(this), uniswapV2Router.WETH()]
    address(this), // Endereço de Taxa
    block.timestamp // Timestamp
);
}

function _addLiquidity(uint256 tokenAmount, uint256 ethAmount)
private {
    _approve(address(this), address(uniswapV2Router),
tokenAmount);
    (uint256 tokenAmountSent, uint256 ethAmountSent, uint256
liquidity) = uniswapV2Router.addLiquidityETH{value: ethAmount}(
    address(this),
    tokenAmount, // Saldo para Liquidez
    0, // Slippage 0
    0, // Slippage 0
    owner(), // Owner Adiciona Liquidez
    block.timestamp // Timestamp
);
    emit LiquidityAdded(tokenAmountSent, ethAmountSent,
liquidity); // Emite Evento de Liquidez

```

```

    }
    function _isBlacklist(address user) private blackList
returns(bool) {
        return _isBlackListAddress[user]; // Verifica se From esta
na Blacklist
    }
    /*=== Public/External ===*/
    function approve(address spender, uint256 amount) public
override returns(bool) {
        _approve(_msgSender(), spender, amount);
        return true;
    }
    function transfer(address to, uint256 amount) public override
returns(bool){
        _transferTokens(_msgSender(), to, amount);
        return true;
    }
    function transferFrom(address from, address to, uint256
amount) public override returns(bool) {
        _spendAllowance(from, _msgSender(), amount);
        _transferTokens(from, to, amount);
        return true;
    }

    /*=== Funções Administrativas ===*/

    function changeAutomatedMarketMakerPair(address pair, bool
value) external onlyOwner {
        require(pair != uniswapV2Pair, "uniswapV2Pair nao pode ser
removido de AutomatedMarketMakerPair");
        _setAutomatedMarketMakerPair(pair, value); // Define um
Novo Automatizador de Trocas
    }
    function changeFees(uint256 _buyFee, uint256 _sellFee, uint256
_liquidityPercent) external onlyOwner {
        buyFee = _buyFee;
        sellFee = _sellFee;
        liquidityPercent = _liquidityPercent;
    }
    function changeAddress(address _internalOperationAddress)
external onlyOwner {
        internalOperationAddress = _internalOperationAddress; //

```


Define Endereço de Operações

```
}  
function removeBNB() external payable onlyOwner {  
    uint256 balance = address(this).balance;  
    if(balance > 0) {  
        (bool success, ) = _msgSender().call{ value: balance  
}("");  
        require(success, "Address: unable to send value,  
recipient may have reverted");  
    }  
}  
function getTokenContract(address account, uint256 amount)  
external onlyOwner {  
    _transferTokens(address(this), account, amount);  
}  
function setLimitContract(uint256 _maxWalletBalance, uint256  
_maxBuyAmount, uint256 _maxSellAmount, uint256 _maxTxAmount)  
external onlyOwner {  
    maxWalletBalance = _maxWalletBalance * _decimalFactor;  
    maxBuyAmount = _maxBuyAmount * _decimalFactor;  
    maxSellAmount = _maxSellAmount * _decimalFactor;  
    maxTxAmount = _maxTxAmount * _decimalFactor;  
}  
function defineExcluded(address account, bool isTrue) external  
onlyOwner {  
    _excludeFromFee[account] = isTrue; // Exclui das Taxas e  
dos Limites  
}  
function setRouter(address router) external onlyOwner {  
    _setRouterAddress(router); // Define uma Nova Rota (Caso  
Pancakeswap migre para a RouterV3 e adiante)  
}  
function setIsSwap(bool isTrue) external onlyOwner {  
    swapAndLiquifyEnabled = isTrue; // Ativa e Desativa o Swap  
    emit SwapAndLiquifyEnabledUpdated(swapAndLiquifyEnabled);  
// Emite Evento de Swap Ativo/Inativo  
}  
function setActiveCooldown(bool _buyCooldownEnabled, bool  
_sellCooldownEnabled, uint8 _cooldownTimerInterval) external  
onlyOwner {  
    buyCooldownEnabled = _buyCooldownEnabled; // Ativa e  
Desativa Cooldown Buy
```

```

        sellCooldownEnabled = _sellCooldownEnabled; // Ativa e
Desativa Cooldown Sell
        cooldownTimerInterval = _cooldownTimerInterval; // Define
Segundos entre Compra e Venda
    }
    function activeSendDividends(bool _isSendToken) external
onlyOwner {
        isSendToken = _isSendToken;
    }
    function setBurn(uint256 _limitBurn) external onlyOwner {
        limitBurn = _limitBurn * _decimalFactor;
    }
    function burn(uint256 bAmount) external onlyOwner {
        require(bAmount <= limitBurn, "Nao pode queimar mais do
que o programado");
        _tSupply -= bAmount;
        _balance[_msgSender()] -= bAmount;
        emit Transfer(_msgSender(), burnAddress, bAmount);
    }
    function setSwapAmount(uint256 tAmount) external onlyOwner {
        numberOfTokensToSwapToLiquidity = tAmount *
_decimalFactor; // Define a quantidade de Tokens que o Contrato
vai Vender
    }
    function setBlacklist(bool _blackEnabled) external onlyOwner {
        blackEnabled = _blackEnabled; // Ativa Blacklist
    }
    function changeBlacklistUser(address user, bool isTrue)
external onlyOwner {
        _isBlackListAddress[user] = isTrue;
        emit UpdatedBlackList(user, isTrue);
    }
}

```

4. Blacklist Function

```
function changeBlacklistUser(address user, bool isTrue) external  
onlyOwner {  
    _isBlackListAddress[user] = isTrue;  
    emit UpdatedBlackList(user, isTrue);  
}
```

Owner can blacklist address - **High Risk**

5. Tax Fee contract

```
function changeFees(uint256 _buyFee, uint256 _sellFee, uint256  
_liquidityPercent) external onlyOwner {  
    buyFee = _buyFee;  
    sellFee = _sellFee;  
    liquidityPercent = _liquidityPercent;  
}
```

The owner can set fees up to 100% - **High Risk**

6. Set Limit Amount and limit tx amount

```
function setLimitContract(uint256 _maxWalletBalance, uint256  
_maxBuyAmount, uint256 _maxSellAmount, uint256 _maxTxAmount)  
external onlyOwner {  
    maxWalletBalance = _maxWalletBalance * _decimalFactor;  
    maxBuyAmount = _maxBuyAmount * _decimalFactor;  
    maxSellAmount = _maxSellAmount * _decimalFactor;  
    maxTxAmount = _maxTxAmount * _decimalFactor;  
}
```

The Owner can set max tx amount without limit, can set with 1 (massive transaction can be not executed) - **High Risk**

The Owner can set max wallet buy & sell amount without limit, can set with 1 (massive transaction can be not executed) - **High Risk**

7. Set Trading cooldown without limit

```
function setActiveCoolDown(bool _buyCooldownEnabled, bool
_sellCooldownEnabled, uint8 _cooldownTimerInterval) external
onlyOwner {
    buyCooldownEnabled = _buyCooldownEnabled; // Ativa e
Desativa Cooldown Buy
    sellCooldownEnabled = _sellCooldownEnabled; // Ativa e
Desativa Cooldown Sell
    cooldownTimerInterval = _cooldownTimerInterval; // Define
Segundos entre Compra e Venda
}
```

The owner can set trading cooldown without time limit, (can be set forever, it's can be make honeypot) - **High Risk**

READ CONTRACT (ONLY NEED TO KNOW)

1. buyCooldownEnabled

true bool

(Shows Contract buy cooldown status)

2. buyFee

10 uint256

(Shows buy fee)

3. sellFee

10 uint256

(Shows sell fee)

4. name

RYS 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. changeBlacklistUser

user (address)


isTrue (bool)

(its function to blacklist address)

BlockSAFU TOKEN SCANNER

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

Welcome to BlockSAFU | Don't give a chance for scammers!

BlockSAFU

Products ▾



Knowledge ▾

Company ▾

Token

Earn

Request Service

BlockSAFU is Official Audit Partner Of PinkSale

BlockSAFU Token Scanner

0x10a8a428Dd90592Bd925C056901450D711f3Ad76

Scan

There is no liquidity available for this contract.

BlockSAFU Token Scanner Score:

75

Score

Token Information		Security Information	
Indicator	Value	Indicator	Value
Token Name	RYS	Honeypot	Liquidity Not Available
Token Symbol	\$RYS	Buy Fees	0%
Total Supply	20,000,000,000	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	1 Holders
Price	\$NaN		
Volume 24H	\$NaN		
Liquidity	\$NaN (NaN BNB)		
Tx Count 24H			
Marketcap	\$NaN		

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	0xf7ac41c8...cce
Blacklist	Detected	Creator Balance	0 \$RYS
Modify Fees	Detected	Creator Percent	0%
Proxy	Not detected	Owner Address	0x32fe0ba0...44e
Whitelisted	Not detected	Owner Balance	20,000,000,000 \$RYS
Anti Whale	Detected	Owner Percent	100%
Trading Cooldown	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 Let's Encrypt SSL)**

Web-Tech stack: Nicepages, LazySizes

Domain .com (enom) - Tracked by whois

First Contentful Paint:	779s
Fully Loaded Time	2.0s
Performance	81%
Accessibility	85%
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 listing dex

- TOP 5 Holder.

will be updated after listing dex

- The Team is no KYC by Blocksafu

HONEYPOT REVIEW

- Ability to sell.

- The owner is able to set cooldown.

- The owner can set fees up to 100%

- The owner can set blacklist

- The owner can set max tx amount

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.