



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Sucelun

\$SELN

02/08/2024



TOKEN OVERVIEW

Fees

- Buy fees: 5%
- Sell fees: 6%

Fees privileges

- Can change buy fees up to 40% and sell fees up to 50%

Ownership

- Owned

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- Can change max tx amount and max wallet amount (with threshold)

Blacklist

- Blacklist function not detected

Other privileges

- Can exclude / include from fees and tx limitations
-

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TECHNICAL DISCLAIMER



DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website <https://freshcoins.io>

FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy (RUG or Honeypot etc)



INTRODUCTION

FreshCoins (Consultant) was contracted by **Sucelun** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x8e2cdbCaae10329A9C78D48C94D27627C3A64129

Network: **Cronos Network (CRO)**

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on **02/08/2024**



WEBSITE DIAGNOSTIC

<https://www.sucelun.com/>



0-49



50-89



90-100



Performance



Accessibility



Best
Practices



SEO



Progressive
Web App

Socials



Twitter

<https://x.com/sucelun>



Telegram

<https://t.me/+ze6OkYGdYIpjNTA8>

AUDIT OVERVIEW



Security Score



Static Scan

Automatic scanning for common vulnerabilities



ERC Scan

Automatic checks for ERC's conformance



High



Medium



Low



Optimizations



Informational



No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Low
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Low
8	Methods execution permissions	Passed
9	Exchange rate impact	Passed
10	Malicious Event	Passed
11	Scoping and Declarations	Passed
12	Uninitialized storage pointers	Passed
13	Design Logic	Passed
14	Safe Zeppelin module	Passed

OWNER PRIVILEGES

- Contract owner can't mint tokens after initial contract deploy
- Contract owner can't exclude addresses from transactions
- Contract owner can exclude/include wallet from tax

```
function excludeFromFee(address account, bool isExcluded) public onlyOwner {
    _isExcludedFromFee[account] = isExcluded;
    _isExcludedFromMaxTx[account] = isExcluded;
    _isExcludedFromMaxWallet[account] = isExcluded;
}
```

- Contract owner can exclude/include wallet from tx limitations

```
function excludeFromMaxTx(address account, bool isExcluded) public onlyOwner {
    _isExcludedFromMaxTx[account] = isExcluded;
}
```

- Contract owner can change max wallet tx limitation (with threshold)

```
uint8 public minMxTxPercentage = 1;
```

```
function setMaxTxPercent(uint256 maxTxPercent) external onlyOwner {
    require(maxTxPercent >= minMxTxPercentage && maxTxPercent <= 10000, "err");
    _maxTxAmount = _tTotal.mul(maxTxPercent).div(10**4);
}
```

- Contract owner can change buy fees up to 40% and sell fees up to 50%

```
function setAllFeePercent(
    uint8 taxFee,
    uint8 liquidityFee,
    uint8 burnFee,
    uint8 marketingFee,
    uint8 extraSellFee
) external onlyOwner {
    uint8 _maxFee = 10;
    require(taxFee >= 0 && taxFee <= _maxFee, "TF err");
    require(liquidityFee >= 0 && liquidityFee <= _maxFee, "LF err");
    require(burnFee >= 0 && burnFee <= _maxFee, "BF err");
    require(
        extraSellFee >= 0 && extraSellFee <= _maxFee,
        "ESF err"
    );
    require(marketingFee >= 0 && marketingFee <= _maxFee, "WF err");
    _walletFee = marketingFee;
    _taxFee = taxFee;
    _liquidityFee = liquidityFee;
    _burnFee = burnFee;
    _extraSellFee = extraSellFee;
}
```

● Contract owner can change swap settings (with threshold)

```
function setSwapAndLiquifyEnabled(bool _enabled) public onlyOwner {
    swapAndLiquifyEnabled = _enabled;
    emit SwapAndLiquifyEnabledUpdated(_enabled);
}

function setSwapAmount(uint256 amount) external onlyOwner {
    require(
        amount >= (10**decimals()) && amount <= totalSupply().div(100),
        "not valid amount"
    );
    swapAmount = amount;
}
```

● Contract owner has ability to retrieve any token held by the contract

Native tokens NOT excluded

```
function recoverFunds() external onlyOwner {
    payable(owner()).transfer(address(this).balance);
}

function recoverBEP20(address tokenAddress, uint256 tokenAmount)
    external
    onlyOwner
{
    IERC20(tokenAddress).transfer(owner(), tokenAmount);
}
```

● Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {
    require(
        newOwner != address(0),
        "Ownable: new owner is the zero address"
    );
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

● Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _owner = address(0);
}
```

Recommendation:

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.



CONCLUSION AND ANALYSIS



Smart Contracts within the scope were manually reviewed and analyzed with static tools.



Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.



Found 1 HIGH issue during the first review.

TOKEN DETAILS

Details

Buy fees:	5%
Sell fees:	6%
Max TX:	20,000,000
Max Wallet:	1,000,000,000

Honeypot Risk

Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

Rug Pull Risk

Liquidity:	N/A
Holders:	over 70% unlocked tokens



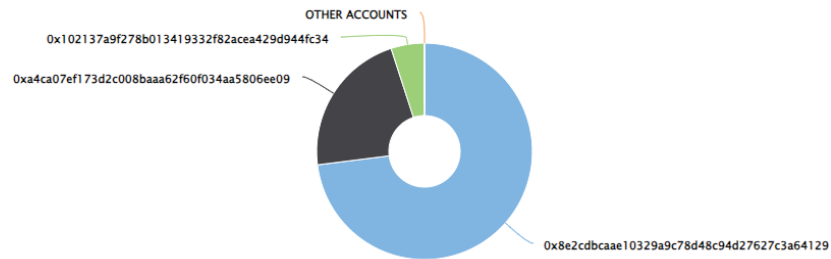
SELN TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (1,000,000,000.00 Tokens) of Sucelun

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 3

Sucelun Top 10 Token Holders

Source: cronoscan.com



(A total of 1,000,000,000.00 tokens held by the top 10 accounts from the total supply of 1,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x8e2cdbCa...7C3A64129	730,250,000	73.0250%
2	0xA4ca07eF...A5806EE09	219,750,000	21.9750%
3	0x102137A9...9D944Fc34	50,000,000	5.0000%

TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.

