



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Strelka Coin
\$STRELKA

05/02/2023

TOKEN OVERVIEW

Fees

- Buy fees: 7%
- Sell fees: 7%

Fees privileges

- Can change fees up to 10%

Ownership

- Owned

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- Can change / set max tx amount

Blacklist

- Blacklist function not detected

Other privileges

- Can exclude / include from fees
-

TABLE OF CONTENTS

1

DISCLAIMER

2

INTRODUCTION

3-4

AUDIT OVERVIEW

5-7

OWNER PRIVILEGES

8

CONCLUSION AND ANALYSIS

9

TOKEN DETAILS

10

**STRELKA TOKEN ANALYTICS &
TOP 10 TOKEN HOLDERS**

11

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 **Strelka Coin** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x5A21A450b39dD19108deD9F70EC1285A757efe25

Network: **Binance Smart Chain (BSC)**

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on **05/02/2023**



AUDIT OVERVIEW



Security Score



Static Scan

Automatic scanning for common vulnerabilities



ERC Scan

Automatic checks for ERC's conformance



High



Medium



Low



Optimizations



Informational



3

No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Passed
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Passed
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 an address from transactions
- Contract owner can exclude/include wallet from tx limitations

```
function setIsTxLimitExempt(address holder, bool exempt) external onlyOwner {
    isTxLimitExempt[holder] = exempt;
}
```

- Contract owner can change tx limitations (with threshold)

```
function setTxLimit(uint256 amount) external onlyOwner {
    require(amount > 4000);
    _maxTxAmount = amount * (10**_decimals);
}
```

- Contract owner can change fees up to 10%

```
function setTaxes(
    uint256 _reward,
    uint256 _liquidity,
    uint256 _operations,
    uint256 _marketing,
    uint256 _charity,
    uint256 _feeDenominator
) external onlyOwner {
    require(_feeDenominator <= 10000, "Fee denominator can not be set over 100%");
    uint256 _total = _reward + _liquidity + _operations + _marketing + _charity;
    require(_total <= _feeDenominator / 10, "Total tax can not be set over 10%"); /// Tax cannot exceed 10%

    taxRewardPool = _reward;
    taxLiquidity = _liquidity;
    taxOperations = _operations;
    taxMarketing = _marketing;
    taxCharity = _charity;
    feeDenominator = _feeDenominator;

    taxHandler.setRewardpoolTax(_reward);
    taxHandler.setLiquidityTax(_liquidity);
    taxHandler.setOperationsTax(_operations);
    taxHandler.setMarketingTax(_marketing);
    taxHandler.setCharityTax(_charity);
}
```


● Contract owner can change **rewardPool**, **LiquidityPool**, **OperationsPool**, **MarketingPool** and **CharityPool** addresses

```
function setRewardPool(address _address) external onlyOwner {
    taxHandler.setRewardPool(_address);
}

function setLiquidityPool(address _address) external onlyOwner {
    taxHandler.setLiquidityPool(_address);
}

function setOperationsPool(address _address) external onlyOwner {
    taxHandler.setOperationsPool(_address);
}

function setMarketingPool(address _address) external onlyOwner {
    taxHandler.setMarketingPool(_address);
}

function setCharityPool(address _address) external onlyOwner {
    taxHandler.setCharityPool(_address);
}
```

● Contract owner can change cooldown between trades settings

Trades can be disabled if **cooldownTime** is set to a big number

```
function setCooldownTime(uint256 _time) external onlyOwner {
    cooldownTime = _time;
}

function setMinPeriod(uint256 _minPeriod) external onlyOwner {
    taxHandler.setMinPeriod(_minPeriod);
}
```

● Contract owner can transfer ownership

```
function transferOwnership(address payable adr) public onlyOwner {
    require(adr!=address(0));
    owner = adr;
    authorizations[adr] = true;
    emit OwnershipTransferred(adr);
}
```

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 issues during the first review.

TOKEN DETAILS

Details

Buy fees: 7%

Sell fees: 7%

Max TX: N/A

Max Sell: N/A

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: Clean



STRELKA TOKEN ANALYTICS

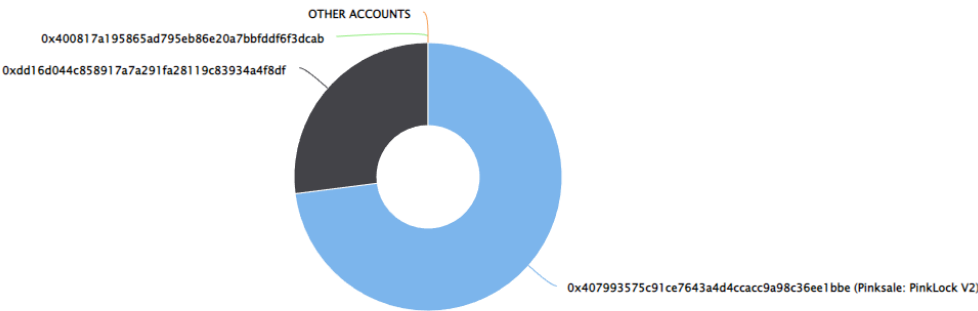
& TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (100,000,000.00 Tokens) of Strelka Coin

Token Total Supply: 100,000,000.00 Token | Total Token Holders: 3

Strelka Coin Top 10 Token Holders

Source: BscScan.com



(A total of 100,000,000.00 tokens held by the top 10 accounts from the total supply of 100,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	Pinksale: PinkLock V2	73,000,000	73.00000%
2	0xdd16d044c858917a7a291fa28119c83934a4f8df	26,999,966.4	27.00000%
3	0x400817a195865ad795eb86e20a7bbfddf6f3dcab	33.6	0.00000%

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.

