



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Panacoin
\$PANA

06/09/2022

TOKEN OVERVIEW

Fees

- Buy fees: N/A
- Sell fees: N/A

Fees privileges

- N/A

Ownership

- Owned

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- N/A

Blacklist

- No blacklist function

Other privileges

- N/A
-

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

0x9f3A937A3cDD0673088304311A9C98A18Ad0A3D8

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 **06/09/2022**



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	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
- Pausable lib included
- Contract owner can burn tokens

```
function burnTokens(uint256 _tokens) public onlyOwner {
    require(balanceOf(msg.sender) >= _tokens);
    balances[msg.sender] = balances[msg.sender].sub(_tokens);
    totalSupply = totalSupply.sub(_tokens);
    emit TokensBurned(msg.sender, _tokens);
}
```

- Contract owner can freeze/unfreeze unlimited amount of tokens from any wallet (no threshold)

```
function freezeTokens(address _owner, uint256 _value) public onlyOwner {
    require(_value <= balanceOf(_owner));
    uint256 oldFrozenBalance = getFrozenBalance(_owner);
    uint256 newFrozenBalance = oldFrozenBalance.add(_value);
    setFrozenBalance(_owner, newFrozenBalance);
    emit TokenFreezeEvent(_owner, _value);
}

function unfreezeTokens(address _owner, uint256 _value) public onlyOwner {
    require(_value <= getFrozenBalance(_owner));
    uint256 oldFrozenBalance = getFrozenBalance(_owner);
    uint256 newFrozenBalance = oldFrozenBalance.sub(_value);
    setFrozenBalance(_owner, newFrozenBalance);
    emit TokenUnfreezeEvent(_owner, _value);
}

function setFrozenBalance(address _owner, uint256 _newValue) internal {
    frozenTokenBalances[_owner] = _newValue;
}
```

- Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public onlyOwner {
    require(newOwner != address(0));
    emit OwnershipTransferred(owner, newOwner);
    owner = newOwner;
}
```


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: N/A

Sell fees: N/A

Max TX: N/A

Max Sell: N/A

Honeypot Risk

Ownership: Owned

Blacklist: Not detected

Modify Max TX: Not detected

Modify Max Sell: Not detected

Disable Trading: Not detected

Others

Liquidity: N/A

Holders: Clean



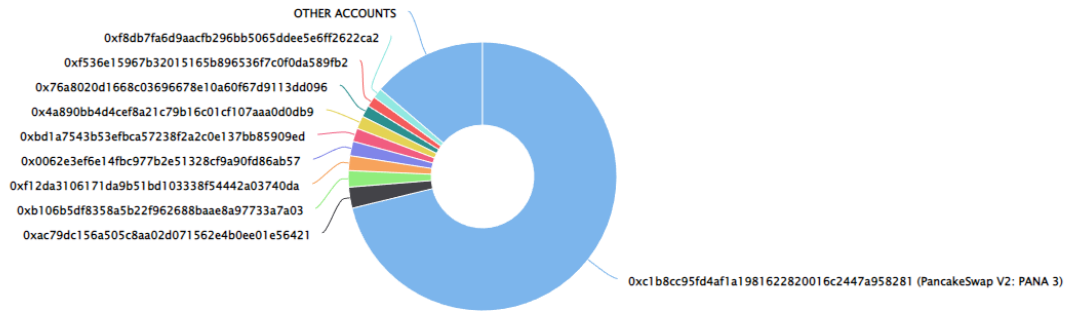
PANACOIN TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 86.24% (431,210,443,430.56 Tokens) of Panacoin

Token Total Supply: 500,000,000,000.00 Token | Total Token Holders: 120

Panacoin Top 10 Token Holders

Source: BscScan.com



(A total of 431,210,443,430.56 tokens held by the top 10 accounts from the total supply of 500,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	PancakeSwap V2: PANA 3	356,042,224,831.173926018306720371	71.2084%
2	0xac79dc156a505c8aa02d071562e4b0ee01e56421	12,643,137,032.612297906520691243	2.5286%
3	0xb106b5df8358a5b22f962688baae8a97733a7a03	9,858,336,766.880209660058603241	1.9717%
4	0xf12da3106171da9b51bd103338f54442a03740da	8,920,854,048.70388808363458491	1.7842%
5	0x0062e3ef6e14fbc977b2e51328cf9a90fd86ab57	8,682,861,182.962344101832099273	1.7366%
6	0xbd1a7543b53efbca57238f2a2c0e137bb85909ed	8,000,000,000	1.6000%
7	0x4a890bb4d4cef8a21c79b16c01cf107aaa0d0db9	7,822,097,161.38358404874251889	1.5644%
8	0x76a8020d1668c03696678e10a60f67d9113dd096	6,986,453,127.86542	1.3973%
9	0xf536e15967b32015165b896536f7c0f0da589fb2	6,254,479,178.974244636736105199	1.2509%
10	0xf8db7fa6d9aacfb296bb5065ddee5e6ff2622ca2	6,000,000,100	1.2000%

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.

