



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Fists

\$Fists

28/03/2024



TOKEN OVERVIEW

Fees

- Buy fees: 2%
- Sell fees: 2%

Fees privileges

- Can't set or change fees

Ownership

- Ownership renounced

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- Can't change max tx amount and / or max wallet amount

Blacklist

- Blacklist function not detected

Other privileges

- N/A
-

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

0x05d10932970d048408E73D9b40787831c1e5C7D2

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 **28/03/2024**



WEBSITE DIAGNOSTIC

<https://fistsdefi.com/>



0-49



50-89



90-100



Performance



Accessibility



Best
Practices



SEO



Progressive
Web App

Socials



Twitter

https://twitter.com/Fists_bsc



Telegram

https://t.me/Fists_bsc

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

Ownership renounced

Transaction Hash:	0xf236ec34123cf4183997d799be1ef5bed794fce6b894bcbe5f4077a652c0011e
Status:	Success
Block:	36905416 457390 Block Confirmations
Timestamp:	15 days ago (Mar-12-2024 01:22:45 PM +UTC)
Transaction Action:	Call Transfer Ownership Function by 0xf76598fb...eF5934Cd6 on 0x05d10932...1c1e5C7D2
From:	0xf76598fb1D09c609908849353cAe401eF5934Cd6
To:	0x05d10932970d048408E73D9b40787831c1e5C7D2
Value:	0 BNB (\$0.00)
Transaction Fee:	0.000085545 BNB \$0.05
Gas Price:	3 Gwei (0.000000003 BNB)
BNB Price:	\$537.37 / BNB
Gas Limit & Usage by Txn:	28,515 28,515 (100%)
Burnt Fees:	0.000085545 BNB (\$0.01)
Other Attributes:	Nonce: 37 Position In Block: 94
Input Data:	Function: transferOwnership(address newOwner) MethodID: 0xf2fde38b [0]: 00dead View Input As Decode Input Data Advanced Filter

The contract combines **liquidity management** with **taxation mechanisms** to facilitate trading while ensuring proper handling of fees and balances. It provides flexibility through configurable parameters and includes features for managing addresses exempted from fees or restricted from transactions

Taxation on Transactions:

- The contract implements a taxation mechanism on transactions, including buys and sells.
- Tax fees are applied based on configurable parameters like `buyFee` and `sellFee`.
- Additional fees (`addBuyFee` and `addSellFee`) may also be applied under certain conditions.
- The contract checks whether to apply fees based on the sender and recipient addresses.
- Fees are deducted from the transferred amount and transferred to designated addresses.

Liquidity Management:

- The contract manages liquidity through functions such as `_isAddLiquidity`, `_isRemoveLiquidityU`, and `_isRemoveLiquidityETH`.
- These functions check conditions related to liquidity pools (LPs) and reserves to determine whether to add or remove liquidity.
- Liquidity is added or removed based on specific conditions related to token balances and reserves in liquidity pools.

Transfer Logic:

- The `_transfer` function handles the transfer of tokens between addresses.
- It enforces various conditions such as ensuring that the sender has sufficient balance, checking for blacklisted addresses, and applying fees.
- Different transfer scenarios are considered, such as transfers between users, adding/removing liquidity, and buying/selling tokens.
- Transfer logic includes handling fee deductions, updating balances, and emitting transfer events.

In decentralized finance (DeFi) protocols, the ability of the owner to manipulate liquidity can introduce risks for token holders and liquidity providers

An unlocked wallet is holding 90.19% of the Fists/USDT LP, we highly recommend it should be locked

The owner could remove a significant portion or all of the liquidity from the pool, causing a drastic decrease in the token's price and resulting in losses for liquidity providers and token holders. This malicious act is commonly referred to as a "rug pull."

Liquidity is essential for supporting the mechanisms that collect transaction taxes and distribute rewards to liquidity providers. Therefore, if the contract logic relies on liquidity for taxes, it typically **requires liquidity to be unlocked** and available in the pool to function effectively.

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:	2%
Sell fees:	2%
Max TX:	N/A
Max Sell:	N/A

Honeypot Risk

Ownership:	Ownership renounced
Blacklist:	Not detected
Modify Max TX:	Not detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

Others

Liquidity:	over 90% liquidity unlocked
Holders:	Clean



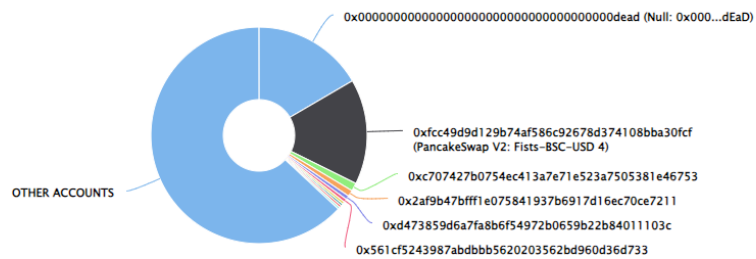
FISTS TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 36.91% (7,751,843.55 Tokens) of Fists

Token Total Supply: 21,000,000.00 Token | Total Token Holders: 9,677

Fists Top 10 Token Holders

Source: BscScan.com



(A total of 7,751,843.55 tokens held by the top 10 accounts from the total supply of 21,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	Null: 0x000...dEaD	3,484,398.972190008082586589	16.5924%
2	PancakeSwap V2: Fists-BSC-USD 4	3,305,683.982097737884656779	15.7414%
3	0xc707427B...381e46753	255,000.407867278459526881	1.2143%
4	0x2AF9b47b...c70CE7211	195,477.142541254347624693	0.9308%
5	0xd473859D...84011103C	124,858.908117550832030158	0.5946%
6	0x561Cf524...60D36d733	102,863.134615347600644539	0.4898%
7	0x16e6F2AB...1807E0bF8	79,896.289997594276036983	0.3805%
8	0xcE039C5f...8C2744087	69,800	0.3324%
9	0x090D1595...ce92B2ba6	67,939.685475220180409428	0.3235%
10	0x24049B59...d3E59c8E8	65,925.023951456089989683	0.3139%

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.

