



Shark Coin

RugfreeCoins Verified on August 15th, 2023

Overview

- ✓ No mint function found, the owner cannot mint tokens after initial deployment.
- ✓ The owner can't set a max transaction limit.
- ✓ The owner can't enable or disable trading.
- ✓ The owner can't change fees.
- ✓ The owner can't blacklist wallets.
- ✓ The owner can't set a max wallet limit.
- ✓ The owner can't claim the contract's balance of its own token.

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Audit details



Audited project
Shark Coin



Contract Address
0xf68b2A60f87f302EE61eC81E38Daf06363C83054



Client contact
Shark Coin Team



Blockchain
Ethereum



Project website
<https://sharkcoin.space/>

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – **please make sure to read it in full.**

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

RugfreeCoins was commissioned by the **Shark Coin Token Team** to perform an audit of the smart contract.

<https://etherscan.io/token/0xf68b2A60f87f302EE61eC81E38Daf06363C83054>

This audit focuses on verifying that the smart contract is secure, resilient, and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, and long-term sustainability, and as a guide to improving the smart contract's security posture by remediating the identified issues.












Tokenomics

▲ 0% tax when buying & selling

Target market and the concept

- ▶ Anyone who's interested in the Crypto space with long-term investment plans.
- ▶ Anyone who's ready to earn a passive income by holding tokens.
- ▶ Anyone who's interested in trading tokens.
- ▶ Anyone who's interested in taking part in the Shark Coin ecosystem.
- ▶ Anyone who's interested in taking part in the future plans of Shark Coin.
- ▶ Anyone who's interested in making financial transactions with any other party using Shark Coin as the currency.

Potential to grow with score points

 Project efficiency	8 / 10
 Project uniqueness	8 / 10
 Information quality	8 / 10
 Service quality	8 / 10
 System quality	8 / 10
 Impact on the community	8 / 10
 Impact on the business	8 / 10
 Preparing for the future	8 / 10
 Smart contract security	10 / 10
 Smart contract functionality assessment	10 / 10
 Total Score	8.4 / 10

Contract details

Token contract details for 15th of August 2023





Contract name	Shark Coin(SHARK)
Contract address	0xf68b2A60f87f302EE61eC81E38Daf06363C83054
Token supply	100,000,000,000
Token ticker	SHARK
Decimals	18
Token holders	3
Transaction count	4
Contract deployer address	0xbE9FA545B0061B1376e991B0ff425040A876AAC6

Contract code function details



Nº	Category	Item	Result
1	Coding conventions	BRC20 Token standards	PASS ▾
		Compile errors	PASS ▾
		Compiler version security	PASS ▾
		Visibility specifiers	PASS ▾
		Gas consumption	PASS ▾
		SafeMath features	PASS ▾
		Fallback usage	PASS ▾
		tx.origin usage	PASS ▾
		Deprecated items	PASS ▾
		Redundant code	PASS ▾
2	Function call audit	Overriding variables	PASS ▾
		Authorization of function call	PASS ▾
		Low level function (call/delegate call) security	PASS ▾
		Returned value security	PASS ▾
3	Business security & centralisation	Self destruct function security	PASS ▾
		Access control of owners	PASS ▾
		Business logics	PASS ▾
4	Integer overflow/underflow	Business implementation	PASS ▾
5	Reentrancy		PASS ▾
6	Exceptional reachable state		PASS ▾
7	Transaction ordering dependence		PASS ▾
8	Block properties dependence		PASS ▾
9	Pseudo random number generator (PRNG)		PASS ▾
10	DoS (Denial of Service)		PASS ▾
11	Token vesting implementation		PASS ▾
12	Fake deposit		PASS ▾
13	Event security		PASS ▾

Contract description table

The below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions, and implementations with their visibility and mutability.

Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
SharkCoin	Implementation			
L		Public !		NO !
L	balanceOf	Public !		NO !
L	transfer	Public !		NO !
L	transferFrom	Public !		NO !
L	approve	Public !		NO !
L	allowance	Public !		NO !

Legend

Symbol	Meaning
	Function can modify state
	Function is payable

Security issue checking status

❖ High severity issues

No High severity issues found

❖ Medium severity issues

No medium severity issues found

❖ Low severity issues

No low-severity issues found

❖ Centralization issues

No Centralization issues found

Owner privileges

No owner function detected

Audit conclusion

RugFreeCoins team has performed in-depth testing, line-by-line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

Smart contract functional Status:	PASS ▾
Number of risk issues:	0
Solidity code functional issue level:	PASS ▾
Number of owner privileges:	0
Centralization risk correlated to the active owner:	HIGH ▾
Smart contract active ownership:	ACTIVE ▾