TECH
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SMART CONTRACTS SECURITY

AUDIT REPORT

Audit Details

Audited project
SHEEBA

Deployer address
0x6a44b5f671756b1019c6ce290ec6827799361ab8

Client contacts:
SHEEBA team

Blockchain
Ethereum

Project website:
https://Sheebainu.io

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 below 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

TechRate was commissioned by SHEEBA to perform an audit of smart contracts:
https://etherscan.io/address/0x6bb570C82C493135cc137644b168743Dc1F7eb12#code

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Contracts Details

Token contract details for 24.03.2022

|	
Contract name	SHEEBA
Contract address	0x6bb570C82C493135cc137644b168743Dc1F7eb12
Total supply	1,000,000,000,000
Token ticker	SHEEBA
Decimals	18
Token holders	2
Transactions count	5
Top 100 holders dominance	100.00%
Required tokens to swap	2000000000000000000000000000000
Prize pool address	0x58d8ec7077c697ae757d8e7872465bb7110ae4b8
Marketing address	0x58d8ec7077c697ae757d8e7872465bb7110ae4b8
Uniswap V2 pair	0xbdad930bb97a942699042358a622b98b6d6180e8
Contract deployer address	0x6a44b5f671756b1019c6ce290ec6827799361ab8
Owner address	0x6a44b5f671756b1019c6ce290ec6827799361ab8

SHEEBA Token Distribution

SHEEBA Top 100 Token Holders
Source: Etherscan.io

OTHER ACCOUNTS

0x7ff6fa5aeaf4644d9e07192cbdca7aded099b9d6

0x6a44b5f671756b1019c6ce290ec6827799361ab8
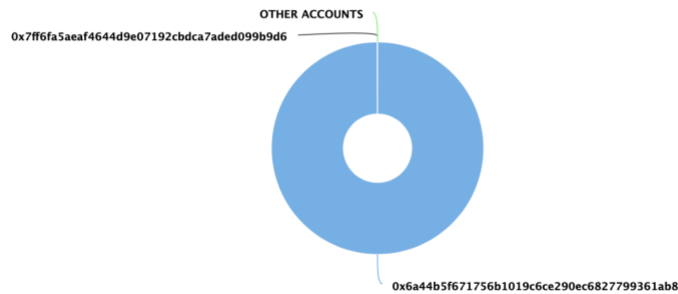
(A total of 1,000,000,000,000.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000,000.00 token)

SHEEBA Contract Interaction Details

Time Series: Token Contract Overview   Mon 21, Mar 2022 - Wed 23, Mar 2022

Token Contract 0x6bb570C82C493135cc137644b168743Dc1F7eb12 (SHEEBA)
Source: Etherscan.io

Zoom 1m 6m 1y **All**   From Mar 20, 2022 To Mar 23, 2022

● Transfer Amount   -●- Transfers Count   -+- Unique Receivers   -■- Unique Senders   -▲- Total Uniques

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SHEEBA Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x6a44b5f671756b1019c6ce290ec6827799361ab8	999,966,394,100	99.9966%
2	0x7ff6fa5aeaf4644d9e07192cbdca7aded099b9d6	33,605,900	0.0034%

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Contract functions details

+ Context
  - [Int] _msgSender
  - [Int] _msgData

+ [Int] IERC20
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transferFrom #

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Prv] _functionCallWithValue #

+ Ownable (Context)
  - [Pub] <Constructor> #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Prv] _setOwner #

+ SHEEBA (Context, IERC20, Ownable)
  - [Pub] <Constructor> #
  - [Ext] <Fallback> ($)
  - [Ext] getOwner
  - [Ext] currentmktTokens
  - [Ext] currentPZTokens
  - [Ext] currentLiqTokens
  - [Ext] totalSupply
  - [Pub] balanceOf
  - [Ext] transfer #
  - [Ext] allowance

- **[Ext]** approve **#**
- **[Ext]** decimals
- **[Ext]** name
- **[Ext]** symbol
- **[Pub]** updateMaxTxTreshold **#**
  - modifiers: onlyOwner
- **[Pub]** updateMaxWalletTreshold **#**
  - modifiers: onlyOwner
- **[Pub]** transferFrom **#**
- **[Pub]** goldenDay **#**
  - modifiers: onlyOwner
- **[Pub]** goldenDayOver **#**
  - modifiers: onlyOwner
- **[Pub]** addBotWallet **#**
  - modifiers: onlyOwner
- **[Pub]** currentbuyliqFee
- **[Pub]** currentbuymktfee
- **[Pub]** currentbuyprizepoolfee
- **[Pub]** currentsellLiqFee
- **[Pub]** currentsellmktfee
- **[Pub]** currentsellyprizepoolfee
- **[Pub]** currentThresholdInt
- **[Pub]** isExcluded
- **[Int]** _transfer **#**
- **[Prv]** swapForTokenomics **#**
  - modifiers: lockTheSwap
- **[Ext]** addLimitExempt **#**
  - modifiers: onlyOwner
- **[Prv]** swapTokensForETHmkt **#**
- **[Prv]** sendToPrizePool **#**
- **[Pub]** unstuckTokens **#**
  - modifiers: onlyOwner
- **[Pub]** unstuckETH **#**
  - modifiers: onlyOwner
- **[Pub]** tradeStatus **#**
  - modifiers: onlyOwner
- **[Prv]** swapAndLiquify **#**
- **[Prv]** swapTokensForETH **#**
- **[Prv]** addLiquidity **#**
- **[Int]** _approve **#**
- **[Pub]** addToExcluded **#**
  - modifiers: onlyOwner
- **[Pub]** removeFromExcluded **#**
  - modifiers: onlyOwner
- **[Ext]** excludePresaleAddresses **#**

- [Ext] setFeeToSetter #

+ [Int] IUniswapV2Pair
  - [Ext] name
  - [Ext] symbol
  - [Ext] decimals
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transfer #
  - [Ext] transferFrom #
  - [Ext] DOMAIN_SEPARATOR
  - [Ext] PERMIT_TYPEHASH
  - [Ext] nonces
  - [Ext] permit #
  - [Ext] MINIMUM_LIQUIDITY
  - [Ext] factory
  - [Ext] token0
  - [Ext] token1
  - [Ext] getReserves
  - [Ext] price0CumulativeLast
  - [Ext] price1CumulativeLast
  - [Ext] kLast
  - [Ext] mint #
  - [Ext] burn #
  - [Ext] swap #
  - [Ext] skim #
  - [Ext] sync #
  - [Ext] initialize #

+ [Int] IUniswapV2Router01
  - [Ext] factory
  - [Ext] WETH
  - [Ext] addLiquidity #
  - [Ext] addLiquidityETH ($)
  - [Ext] removeLiquidity #
  - [Ext] removeLiquidityETH #
  - [Ext] removeLiquidityWithPermit #
  - [Ext] removeLiquidityETHWithPermit #
  - [Ext] swapExactTokensForTokens #
  - [Ext] swapTokensForExactTokens #
  - [Ext] swapExactETHForTokens ($)
  - [Ext] swapTokensForExactETH #
  - [Ext] swapExactTokensForETH #

- [Ext] swapETHForExactTokens ($)
  - [Ext] quote
  - [Ext] getAmountOut
  - [Ext] getAmountIn
  - [Ext] getAmountsOut
  - [Ext] getAmountsIn

+ [Int] IUniswapV2Router02 (IUniswapV2Router01)
  - [Ext] removeLiquidityETHSupportingFeeOnTransferTokens #
  - [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens #
  - [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens #
  - [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens ($)
  - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #

($) = payable function
= non-constant function

Issues Checking Status

Issue description	Checking status
1. **Compiler errors.**	Passed
2. **Race conditions and Reentrancy. Cross-function race conditions.**	Passed
3. **Possible delays in data delivery.**	Passed
4. **Oracle calls.**	Passed
5. **Front running.**	Passed
6. **Timestamp dependence.**	Passed
7. **Integer Overflow and Underflow.**	Passed
8. **DoS with Revert.**	Passed
9. **DoS with block gas limit.**	Passed
10. **Methods execution permissions.**	Passed
11. **Economy model of the contract.**	Passed
12. **The impact of the exchange rate on the logic.**	Passed
13. **Private user data leaks.**	Passed
14. **Malicious Event log.**	Passed
15. **Scoping and Declarations.**	Passed
16. **Uninitialized storage pointers.**	Passed
17. **Arithmetic accuracy.**	Passed
18. **Design Logic.**	Passed
19. **Cross-function race conditions.**	Passed
20. **Safe Open Zeppelin contracts implementation and usage.**	Passed
21. **Fallback function security.**	Passed

Security Issues

⊘ High Severity Issues

No high severity issues found.

⊘ Medium Severity Issues

No medium severity issues found.

⊘ Low Severity Issues

No low severity issues found.

Owner privileges (In the period when the owner is not renounced)

- Owner can change maxTxTreshold and maxTxAmount.
- Owner can change maxWalletTreshold and maxWalletAmount.
- Owner can start/stop golden day (according to cooldown).
- Owner can mark addresses as bots.
- Owner can add addresses in _liquidityHolders array.
- Owner can withdraw contract ERC20 tokens and ETHs.
- Owner can exclude addresses from fees.
- Owner can change presale status.
- Owner can change currentThreshold.
- Owner can enable/disable swap and liquify.
- Owner can change marketingAddress and prizePoolAddress.
- Owner can include addresses in automatedMarketMakerPairs array.
- Owner can change all the fees.
- Owner can change swapTreshold and requiredTokensToSwap.

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details are NOT provided by the team.

TechRate note:
Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.