



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Diamond Hand Protocol

\$DHP

28/03/2022

TABLE OF CONTENTS

- 1 DISCLAIMER
- 2 INTRODUCTION
- 3-4 AUDIT OVERVIEW
- 5-6 OWNER PRIVILEGES
- 7 CONCLUSION AND ANALYSIS
- 8 TOKEN DETAILS
- 9 DHP TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS
- 10 TECHNICAL DISCLAIMER



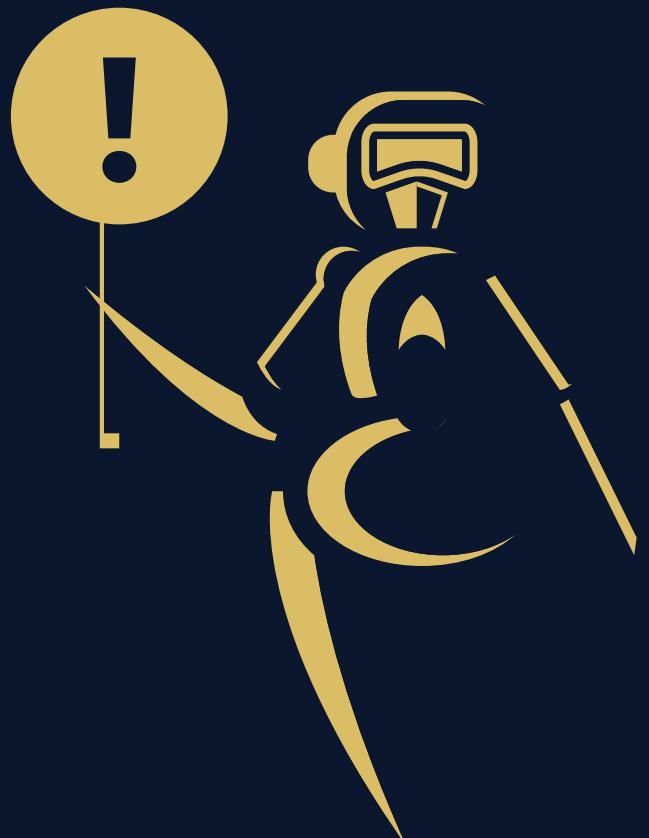
DISCLAIMER

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 Diamond Hand Protocol (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0xFB2240ae26bC335EaAb8B5d89974D47fd405bA1d

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 28/03/2022



AUDIT OVERVIEW



Security Score



Static Scan
Automatic scanning for common vulnerabilities



ERC Scan
Automatic checks for ERC's conformance

0 **High**

0 **Medium**

0 **Low**

0 **Optimizations**

0 **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 exclude wallet from tax

```
function setWhitelist(address _addr) external onlyOwner {
    _isFeeExempt[_addr] = true;
}
```

Contract owner can exclude/include an address from transactions

```
function setBotBlacklist(address _botAddress, bool _flag) external onlyOwner {
    require(isContract(_botAddress), "only contract address, not allowed externally owned account");
    blacklist[_botAddress] = _flag;
}
```

Contract owner can change rebase settings

```
function setAutoRebase(bool _flag) external onlyOwner {
    if (_flag) {
        _autoRebase = _flag;
        _lastRebasedTime = block.timestamp;
    } else {
        _autoRebase = _flag;
    }
}
```

Contract owner can change `autoLiquidityReceiver`, `treasuryReceiver`, `ApelInsuranceFundReceiver`, `firePit`, `pairContract` and `pairAddress` addresses

```
function setFeeReceivers(
    address _autoLiquidityReceiver,
    address _treasuryReceiver,
    address _ApelInsuranceFundReceiver,
    address _firePit
) external onlyOwner {
    autoLiquidityReceiver = _autoLiquidityReceiver;
    treasuryReceiver = _treasuryReceiver;
    ApelInsuranceFundReceiver = _ApelInsuranceFundReceiver;
    firePit = _firePit;
}

function setLP(address _address) external onlyOwner {
    pairContract = IPancakeSwapPair(_address);
}

function setPairAddress(address _pairAddress) public onlyOwner {
    pairAddress = _pairAddress;
}
```

Contract owner can transfer ownership

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

Contract owner can renounce ownership

```
function renounceOwnership() public onlyOwner {  
    emit OwnershipRenounced(_owner);  
    _owner = address(0);  
}
```



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 no issue during the first review.

TOKEN DETAILS

Details

Buy fees: 14%

Sell fees: 15%

Max TX: N/A

Max Sell: N/A

Honeypot Risk

Ownership: Owned

Blacklist: Detected

Modify Max TX: Not detected

Modify Max Sell: Not detected

Disable Trading: Not detected

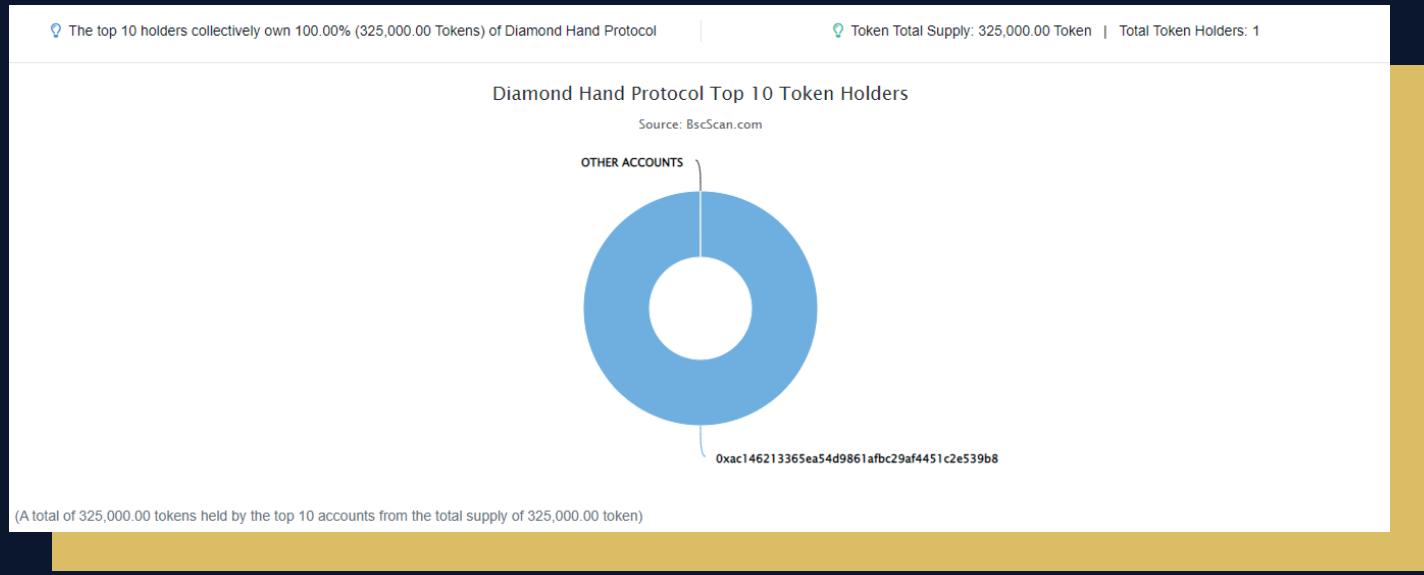
Rug Pull Risk

Liquidity: N/A

Holders: Clean



DHP TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS



Rank	Address	Quantity (Token)	Percentage
1	Oxac146213365ea54d9861afbc29af4451c2e539b8	325,000	100.0000%

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.

