



**BINANCE**  
SMART CHAIN

# Security Audit

**HBSC**

**Website:** <https://hbsc.io>

**Contract:**

<https://bscscan.com/address/0x1A8ABcfDf145379C2443eb7a6e3d127186C867DB#code>

Haze Security  
11/29/2021



## Contracts

HBSC:

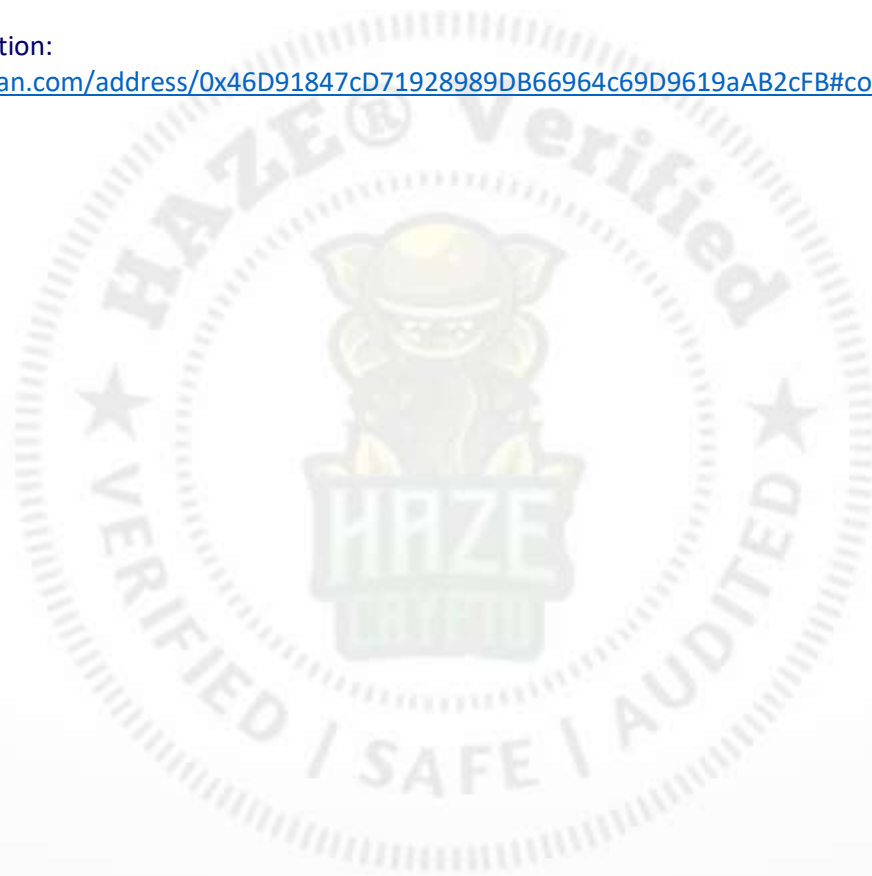
<https://bscscan.com/address/0x1A8ABcfDf145379C2443eb7a6e3d127186C867DB#code>

HBSCStake:

<https://bscscan.com/address/0x33ff97EcdCD9338b2b8684898c1fd349110f8Ec7#code>

HBSCReservation:

<https://bscscan.com/address/0x46D91847cD71928989DB66964c69D9619aAB2cFB#code>



**CRITICAL ISSUES (critical, high severity): 0**

Critical and harmful access for owners, user block ability, Bugs and vulnerabilities that enable theft of funds, lock access to funds without possibility to restore it, or lead to any other loss of funds to be transferred to any party.

**HIGH ISSUES (high, medium severity):0**

The owner's privileges, access and permission that cause changes in the contract results and parameters, enable/disable main modules and features, exclude/include specific users.

**ERRORS, BUGS AND WARNINGS (medium, low severity): 0**

Bugs can negatively affect the usability of a program, errors that can trigger a contract failure, Lack of necessary security precautions, other warnings for owners and users, warning codes that are valid code but the compiler thinks are suspicious.

**OPTIMIZATION (low severity): 0**

Methods to decrease the cost of transactions in Smart-Contract.

**RECOMMENDATIONS (very low severity): 0**

Hint and tips to improve contract functionality and trustworthiness.

**Conclusion:**

In the **HBSC** Smart-Contract were **found no vulnerabilities**, no backdoors and no scam scripts.

The code was tested with compatible compilers and simulated manually reviewed for all commonly known and specific vulnerabilities.

So **HBSC** Smart-Contract is safe for use in the Binance Smart Chain main network.

**Independent Description of the smart-contract functionality**

The **HBSC** is a BEP20 token that prepares an opportunity to stake your token and earn profit. The token can be minted and burned.

**Token Info** (all information is based on audit date: Mon Nov 29 2021 16:19:51 GMT+0000)

- Total Supply: **1,999.55 HBSC**
- Max Total Supply: **unlimited**
- Holders: **2 addresses**
- Total Transactions: **5**
- Name: **HBSC**
- Symbol: **HBSC**
- Decimals: **18**
- Contract: **0x1A8ABcfDf145379C2443eb7a6e3d127186C867DB**

### Owner/Deployer Tokens

In the first initial deployment of the token, **2000** tokens will be transferred to the owner wallet.

### Mint/Burn Token

Both reservation and staking contracts have the privilege to mint new tokens based on the rules on their contracts.

But only the staking smart contract can burn a token.

## Staking

This contract provides the opportunity to stake HBSC tokens and earn an annual profit.

### FOUR STAKING PLANS

Plans	APY	Daily Profit	Days	Withdraw time
1	0.35%	0.0009%	0	Any Time
2	0.525%	0.0014%	180	Any Time
3	0.875%	0.0023%	275	Any Time
4	1.75%	0.0047%	365	Any Time

- ❖ No minimum stake amount
- ❖ Users can claim dividends anytime without any limit
  - Dividend amount will be minted by the staking contract and transferred directly to the user wallet
- ❖ Withdraw penalty
  - **Plan 1:** Users can withdraw without any limit or penalty
  - **Plans 2, 3, 4:** if the user unstakes before the end time of the plan, a specific amount of the stake will be reduced as a penalty and the rest transfer to the user wallet
  - The penalty will be calculated based on the rest days of the plan. A percent of remaining days will be rounded up to decimal. For example, if a user withdraws after 23 days in plan 2:  
 Penalty =  $(180 - 23) = 157 \Rightarrow 157 / 180 = 0.87 \Rightarrow$  round up to 90%  
 So, 90% will be deducted as a penalty and 10% will be sent to the user wallet
  - Penalty distribution:
    - 10% transfer to the owner wallet as owner fee
    - 90% will be burnt

## Reservation

This contract is a pre-sale system that users can buy HBSC tokens during 20 rounds

- ❖ Reservation is **20** rounds
- ❖ Each round duration is **1 day**
- ❖ Each round **200** tokens will be distributed between all users that participate in that round
- ❖ Total **4000** tokens will be sold
- ❖ Users can buy tokens by the **BUSD** token
- ❖ Each round, a user will receive the token based on the user send BUSD amount to all users send BUSD
  - For example, all users send 1000 BUSD, and the user A send 100 BUSD, 10% of current round tokens (20 HBSC) will be send to the User A
  - Calculations of each round are independent
- ❖ User can withdraw their tokens at the end of round 20, after the end of all rounds
- ❖ After the end of rounds (all below steps can only be executed by the owner):
  - 50% of the BUSD tokens in the contract balance will be sent to the owner
  - 4000 HBSC tokens will be mint with the rest 50% of BUSD tokens will be added to the liquidity of the Pancakeswap.
  - LP tokens will be locked for 365 days in the contract and after 365 days the owner can claim them.
- ❖ Reservation will finish at **Fri Dec 10 2021 21:57:53 GMT+0000**

## Disclaimer:

This audit is only to the Smart-Contract code at the specified address.

### **HBSC:**

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Haze Security is a 3rd party auditing company who works on audits based on client requests. And as a professional auditing firm, we check on the contract for any vulnerabilities, backdoors, and/or scam scripts.

Therefore:

We are not financial advisors nor do we partner with the contract owners

Operations and website administration is fully on the client's side

We do not have influence over client operations, which can lead to website changes, withdrawal function closes, etc. One always has the option to do this through the contract.

Any concerns about the project themselves need to be raised directly to the project owners and not through Haze Security.

Investors are not in any way obliged, coerced or influenced to invest in projects audited by Haze Security.

We are not responsible for your funds or guarantee you profits.

We highly recommend that investors do their own research and gain crypto experience before investing

To report any scam, malpractices and irregularities, please send a message via Telegram to @Haze013 or @Sara\_Solidity for blacklisting.

# Haze Security

11/29/2021

If you are interested in developing/auditing of Smart-Contracts, please contact us.

Admin: [@Haze013](#)

Auditor: [@Sara\\_Solidity](#)

All official info available:

Website: <https://hazecrypto.net/audit/hbsc>

Telegram Channel: [t.me/HazeCrypto](https://t.me/HazeCrypto)

Telegram Community: [t.me/HazecryptoCommunity](https://t.me/HazecryptoCommunity)

Twitter: [twitter.com/HazeCryptoTM](https://twitter.com/HazeCryptoTM)

Instagram: [instagram.com/HazeCryptoTM](https://instagram.com/HazeCryptoTM)

