

# srnArtGallery Tokenized Arts token

## smart contract audit report

Prepared for:  
srnArtGallery

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

# Introduction

HashEx was commissioned by srnArtGallery team to perform an audit of srnArtGallery Tokenized Arts token smart contracts. The audit was conducted between April 13 and April 16, 2021.

The audited smart contract is deployed to Binance Smart Chain (BSC) at address `0xCA6d25C10dad43ae8Be0bc2af4D3CD1114583C08` [\[1\]](#).

The audited contract is a slightly modified SACT token from the same team. No additional documentation was provided.

The purpose of this audit was to achieve the following:

- Identify potential security issues with smart contracts.
- Ensure that smart contracts functions perform as intended.

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

## Contracts overview

### SISTA token

Implementation of BEP20 token standard [\[2\]](#), which is the extended ERC20 token for BSC. srnArtGallery implementation is the Binance's [BEP20Token.template](#) with modifications in following variable's values:

```
_name,  
_symbol,  
_decimals,  
_totalSupply
```

and removed `mint()` and `_mint()` functions.

## Found issues

ID	Title	Severity	Response
<a href="#">01</a>	Low severity issues & recommendations	Low	

#01 Low severity issues & recommendations Low

Using the constants in decimal format is widely considered to be a bad practice. Total supply of 100M with 18 decimals should be coded as  $1e26$ ,  $100 \cdot 10^{18}$ , etc.

Internal functions:

```
_burn(),  
_burnFrom()
```

are not in use and may be removed to save gas.

## Conclusion

Reviewed contract is deployed at [0xCA6d25C10dad43ae8Be0bc2af4D3CD1114583C08](#) in BSC. The audited contract is a BEP-20 token made with BEP20Token template from Binance with minor modifications.

No critical or high severity issues were found.

For deployed [\[1\]](#) contract ownership was renounced 2021-04-13 in BSC transaction: [0x3bdd3730577432357f0fdca37cdda1018ee6875e6e66c793e7320095226316ec](#).

Audit includes recommendations on the code improving.

## References

1. [srnArtGallery Tokenized Arts on BscScan](#)
2. [BEP20: Tokens on Binance Smart Chain](#)