



TechRate
AUDIT COMPANY

Smart Contract Security Audit

Audit Details



Audited project

BURNACE



Deployer address

0x5b97270E6f1b0E1a7dbc724A9BF419078D7A62B5



Client contacts:

BURNACE team



Blockchain

Binance Smart Chain



Project website:

<https://burnace.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 BURNACE to perform an audit of smart contracts:

<https://bscscan.com/address/0x9a624b4190f38c888bbf7f845f14198f9c951de7#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 07.08.2021

Contract name	BURNACE
Contract address	0x9A624b4190F38c888BbF7F845f14198f9C951de7
Total supply	589,839,579.9998
Token ticker	ACE
Decimals	8
Token holders	5,618
Transactions count	10,662
Top 100 holders dominance	99.99%
aAmt	1000000000
aSBlock	9584458
sPrice	2000000000000
sSBlock	9584458
Contract deployer address	0x5b97270E6f1b0E1a7dbc724A9BF419078D7A62B5
Contract's current owner address	0x5b97270e6f1b0e1a7dbc724a9bf419078d7a62b5

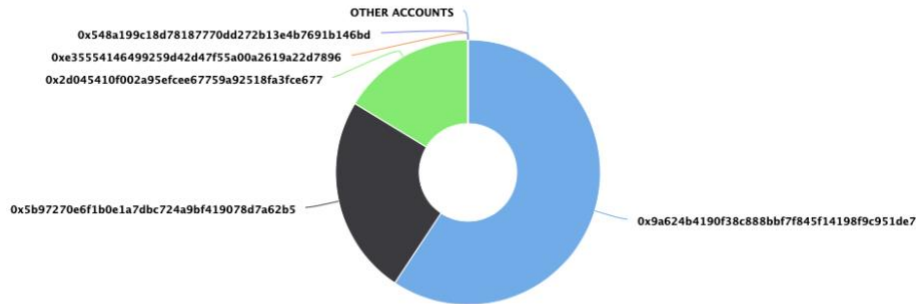
BURNACE Token Distribution

The top 100 holders collectively own 99.99% (589,774,365.79 Tokens) of BURNACE

Token Total Supply: 589,839,580.00 Token | Total Token Holders: 5,621

BURNACE Top 100 Token Holders

Source: BscScan.com



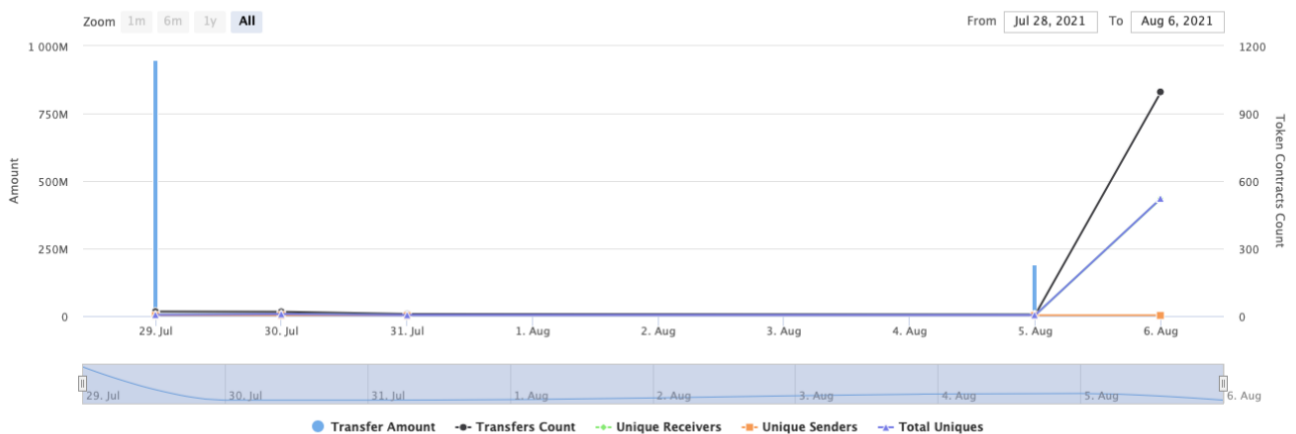
(A total of 589,774,365.79 tokens held by the top 100 accounts from the total supply of 589,839,580.00 token)

BURNACE Contract Interaction Details



Time Series: Token Contract Overview

Thu 29, Jul 2021 - Fri 6, Aug 2021

Token Contract 0x9a624b4190f38c888bbf7f845f14198f9c951de7 (BURNACE)
Source: BscScan.com



BURNACE Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	 0x9a624b4190f38c888bbf7845f14198f9c951de7	349,987,355	59.3360%
2	0x5b97270e6f1b0e1a7dbc724a9bf419078d7a62b5	143,690,394.9998	24.3609%
3	 0x2d045410f002a95efcee67759a92518fa3fce677	96,000,000	16.2756%
4	0xe35554146499259d42d47f55a00a2619a22d7896	69,700	0.0118%
5	0x548a199c18d78187770dd272b13e4b7691b146bd	10,010.52563752	0.0017%
6	0x0c3768025d08b418fac8dc03dbc25fee3b32b5f7	1,580	0.0003%
7	0x08641f45f84da7cd8393d7044aba7ea513727db6	1,120	0.0002%
8	0xec6794f8bd542c3bb5d8643b98a4cddfd2086447	725	0.0001%
9	0x2c1c16c66a6d30090d33948d84906e83c7fca527	635	0.0001%
10	0x2c89767996ff31cb14b45c2e4ce2fa25b04125c8	530	0.0001%



Contract functions details

- + [Int] IERC20
 - [Ext] totalSupply
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance
 - [Ext] approve #
 - [Ext] transferFrom #
- + [Int] IERC20Metadata (IERC20)
 - [Ext] name
 - [Ext] symbol
 - [Ext] decimals
- + Context
 - [Int] _msgSender
 - [Int] _msgData
- + ERC20 (Context, IERC20, IERC20Metadata)
 - [Pub] <Constructor> #
 - [Pub] name
 - [Pub] symbol
 - [Pub] decimals
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] transfer #
 - [Pub] allowance
 - [Pub] approve #
 - [Pub] transferFrom #
 - [Pub] increaseAllowance #
 - [Pub] decreaseAllowance #
 - [Int] _transfer #
 - [Int] _mint #
 - [Int] _burn #
 - [Int] _payref #
 - [Int] _approve #
 - [Int] _beforeTokenTransfer #
- + ERC20Burnable (Context, ERC20)
 - [Pub] burn #
 - [Pub] burnFrom #
- + Pausable (Context)
 - [Pub] <Constructor> #
 - [Pub] paused
 - [Int] _pause #
 - modifiers: whenNotPaused
 - [Int] _unpause #
 - modifiers: whenPaused
- + Ownable (Context)
 - [Pub] <Constructor> #

- [Pub] owner
- [Pub] renounceOwnership #
 - modifiers: onlyOwner
- [Pub] transferOwnership #
 - modifiers: onlyOwner

+ burnace (ERC20, Ownable)

- [Pub] <Constructor> #
 - modifiers: ERC20
- [Pub] decimals
- [Pub] claimAirdrop #
- [Pub] buyToken (\$)
- [Pub] burn #
- [Pub] viewAirdrop
- [Pub] viewSale
- [Pub] beginClaim #
 - modifiers: onlyOwner
- [Pub] beginBuy #
 - modifiers: onlyOwner
- [Pub] burnStart #
 - modifiers: onlyOwner
- [Pub] withdraw #
 - modifiers: onlyOwner

(\$) = 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 start sale and airdrop.

```
ftrace | funcSig
function beginClaim(uint256 _aSBlock↑, uint256 _aEBlock↑, uint256 _aAmt↑, uint256 _aCap↑) public onlyOwner {
    aSBlock = _aSBlock↑;
    aEBlock = _aEBlock↑;
    aAmt = _aAmt↑;
    aCap = _aCap↑;
    aTot = 0;
}

ftrace | funcSig
function beginBuy(uint256 _sSBlock↑, uint256 _sEBlock↑, uint256 _sChunk↑, uint256 _sPrice↑, uint256 _sCap↑) public onlyOwner{
    sSBlock = _sSBlock↑;
    sEBlock = _sEBlock↑;
    sChunk = _sChunk↑;
    sPrice = _sPrice↑;
    sCap = _sCap↑;
    sTot = 0;
}
```

- Owner can enable/disable sale and airdrop.

```
ftrace | funcSig
function burnStart(uint256 _bool↑) public onlyOwner{
    sBBlock = _bool↑;
}
```

- Owner can withdraw BNBs from the contract(Not an issue as this is the sale contract).

```
ftrace | funcSig
function withdraw(uint amount↑) public onlyOwner {
    address payable _owner = payable(msg.sender);
    _owner.transfer(amount↑);
}
```

Conclusion

Smart contracts do not contain high severity issues! Audited only sale contract. The further transfers and operations with the funds raise are not related to this particular contract.

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.



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