



Cyberscope

# Audit Report

## **ByBarter**

October 2022

Type           BEP20

Network       BSC

Address       0x132e27c0b6c2B9D25E820D80D6414E6Fb6795fb0

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## Contract Review

<b>Contract Name</b>	ByBarterCoin
<b>Compiler Version</b>	v0.8.7+commit.e28d00a7
<b>Optimization</b>	200 runs
<b>Licence</b>	Unlicense
<b>Explorer</b>	<a href="https://bscscan.com/token/0x132e27c0b6c2B9D25E820D80D6414E6Fb6795fb0">https://bscscan.com/token/0x132e27c0b6c2B9D25E820D80D6414E6Fb6795fb0</a>
<b>Symbol</b>	BYB
<b>Decimals</b>	18
<b>Total Supply</b>	1,000,000,000
<b>Domain</b>	<a href="https://www.bybarter.io">https://www.bybarter.io</a>

## Source Files

<b>Filename</b>	<b>SHA256</b>
<b>contract.sol</b>	73ed53e0dcbcead5afa702471c0fac1450e6e2f6b587bd6b62e952e3bd6ba713

# Audit Updates

<b>Initial Audit</b>	29th March 2022 <a href="https://github.com/cyberscope-io/audits/blob/main/byb/v1/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/byb/v1/audit.pdf</a>
<b>Corrected Phase 1</b>	8th October 2022 <a href="https://github.com/cyberscope-io/audits/blob/main/byb/v2/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/byb/v2/audit.pdf</a>
<b>Corrected Phase 2</b>	17th October 2022

# Contract Analysis

● Critical   ● Medium   ● Minor   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OCTD	Transfers Contract's Tokens	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	ULTW	Transfers Liquidity to Team Wallet	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

# Contract Diagnostics

● Critical    ● Medium    ● Minor

Severity	Code	Description	Status
●	L01	Public Function could be Declared External	Unresolved
●	L03	Redundant Statements	Unresolved
●	L09	Dead Code Elimination	Unresolved

## L01 - Public Function could be Declared External

<b>Criticality</b>	minor / informative
<b>Location</b>	contract.sol#L105
<b>Status</b>	Unresolved

### Description

Public functions that are never called by the contract should be declared external to save gas.

owner

### Recommendation

Use the external attribute for functions never called from the contract.

## L03 - Redundant Statements

<b>Criticality</b>	minor / informative
<b>Location</b>	contract.sol#L74
<b>Status</b>	Unresolved

### Description

The contract contains statements that are not used and have no effect. As a result, those segments increase the code size of the contract unnecessarily.

Context

### Recommendation

Remove the redundant statements in order to decrease the code size.



## L09 - Dead Code Elimination

<b>Criticality</b>	minor / informative
<b>Location</b>	contract.sol#L413
<b>Status</b>	Unresolved

### Description

Functions that are not used in the contract, and make the code's size bigger.

```
_burn
```

### Recommendation

Remove unused functions.

# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>Context</b>	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
<b>Ownable</b>	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	External	✓	onlyOwner
	transferOwnership	External	✓	onlyOwner
	getUnlockTime	External		-
	lock	External	✓	onlyOwner
	unlock	External	✓	-
<b>ByBarterCoin</b>	Implementation	Context, IERC20, Ownable		
	<Constructor>	Public	✓	-
	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-

	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	

# Contract Flow



## Domain Info

<b>Domain Name</b>	bybarter.io
<b>Registry Domain ID</b>	98d60a1948404c58ae4ad0dd26c99cb8-DONUTS
<b>Creation Date</b>	2021-11-24T16:42:19Z
<b>Updated Date</b>	2022-04-07T21:28:07Z
<b>Registry Expiry Date</b>	2024-11-24T16:42:19Z
<b>Registrar WHOIS Server</b>	whois.godaddy.com/
<b>Registrar URL</b>	<a href="http://www.godaddy.com/domains/search.aspx?ci=8990">http://www.godaddy.com/domains/search.aspx?ci=8990</a>
<b>Registrar</b>	GoDaddy.com, LLC
<b>Registrar IANA ID</b>	146

The domain was created 11 months before the creation of the audit. It will expire in about 2 years.

There is no public billing information, the creator is protected by the privacy settings.

## Summary

ByBarter Token is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors or critical issues. The Contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions.

## Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

Cyberscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

The Cyberscope team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Cyberscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

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The Cyberscope team disclaims any liability for the resulting losses.

# About Cyberscope

Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provides all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>