



# Cyberscope

## Audit Report

# YBE

October 2022

Type       BEP20

Network     BSC

Address     0x66AA2B05c3470FA5c2e28A5115A79313C8c01324

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## Contract Review

<b>Contract Name</b>	TokenFactory
<b>Compiler Version</b>	v0.4.19+commit.c4cbbb05
<b>Optimization</b>	200 runs
<b>Licence</b>	None
<b>Explorer</b>	<a href="https://bscscan.com/token/0x66AA2B05c3470FA5c2e28A5115A79313C8c01324">https://bscscan.com/token/0x66AA2B05c3470FA5c2e28A5115A79313C8c01324</a>
<b>Symbol</b>	YBE
<b>Decimals</b>	18
<b>Total Supply</b>	1,000,000

## Source Files

<b>Filename</b>	<b>SHA256</b>
<b>contract.sol</b>	e4661987facfa4abefd8f43fe5c1a0ff537dd2394f257deec2637d1fb8eaa165

## Audit Updates

<b>Initial Audit</b>	10th October 2022
<b>Corrected</b>	

# Contract Analysis

● Critical ● Medium ● Minor / Informative ● 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 / Informative

Severity	Code	Description	Status
●	L01	Public Function could be Declared External	Unresolved
●	L04	Conformance to Solidity Naming Conventions	Unresolved

## L01 - Public Function could be Declared External

<b>Criticality</b>	minor / informative
<b>Location</b>	contract.sol#L50,14,57,15,13
<b>Status</b>	Unresolved

### Description

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

```
transfer
transferFrom
balanceOf
approve
allowance
```

### Recommendation

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

## L04 - Conformance to Solidity Naming Conventions

<b>Criticality</b>	minor / informative
<b>Location</b>	contract.sol#L85,77,50,67,57
<b>Status</b>	Unresolved

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow `_` at the beginning of the `mixed_case` match for private variables and unused parameters.

```
_spender  
_value  
_owner  
_from  
_to  
...
```

### Recommendation

Follow the Solidity naming convention.

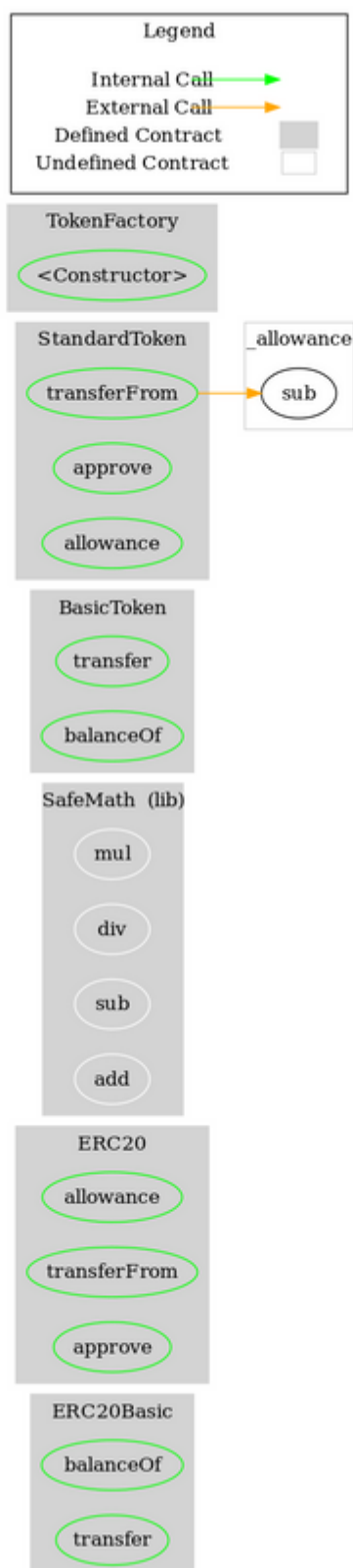
<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>.

# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>ERC20Basic</b>	Implementation			
	balanceOf	Public		-
	transfer	Public	✓	-
<b>ERC20</b>	Implementation	ERC20Basic		
	allowance	Public		-
	transferFrom	Public	✓	-
	approve	Public	✓	-
<b>SafeMath</b>	Library			
	mul	Internal		
	div	Internal		
	sub	Internal		
	add	Internal		
<b>BasicToken</b>	Implementation	ERC20Basic		
	transfer	Public	✓	-
	balanceOf	Public		-
<b>StandardToken</b>	Implementation	ERC20, BasicToken		
	transferFrom	Public	✓	-
	approve	Public	✓	-
	allowance	Public		-
<b>TokenFactory</b>	Implementation	StandardToken		
	<Constructor>	Public	✓	-



# Contract Flow



## Summary

YBE is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error 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.

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# 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 provide all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>