



# Smart Contract Audit

FOR  
**Your Wallet**

DATED : 25 JAN 23'



# AUDIT SUMMARY

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**Project name** – Your Wallet

**Date:** 25 January , 2023

**Scope of Audit-** Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

**Audit Status:** **Passed** (Contract is developed by Pinksale safu dev

## Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	0	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0

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# USED TOOLS

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## Tools:

### 1- Manual Review:

a line by line code review has been performed by audit ace team.

### 2- BSC Test Network:

all tests were done on BSC Test network, each test has its transaction has attached to it.

### 3- Slither : Static Analysis

**Testnet Link:** all tests were done using this contract, tests are done on BSC Testnet

<https://testnet.bscscan.com/token/0x35cbeeB6c3D960A35637E810e8676B4668c5912A#readContract>

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# Token Information

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**Token Name :** YourWallet

**Token Symbol:** YourWallet

**Decimals:** 18

**Token Supply:** 100,000,000

**Token Address:** Not deployed

**Checksum:**

CE9559EA44723E2B93C915DE8487EB6A888D4F86  
147BB04EF6B0F165DDFF9FCD

**Owner:** Not Deployed

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# TOKEN OVERVIEW

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## **Fees:**

Buy Fees: 2%

Sell Fees: 2%

Transfer Fees: 0%

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**Fees Privilige:** None

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**Ownership :** Owned

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**Minting:** No mint function

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**Max Tx Amount/ Max Wallet Amount:** No

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**Blacklist:** No

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**Other Privileges:** No

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# AUDIT METHODOLOGY

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The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
  - Manual review of the entire codebase by our experts, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
  - Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
  - Test coverage analysis determines whether the test cases are covering the code and how much code is exercised when we run the test cases.
  - Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
  - Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.
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# VULNERABILITY CHECKLIST

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- |  |   |
|--|---|
|  Return values of low-level calls  |  <b>Gasless Send</b>           |
|  Private modifier                  |  Using block.timestamp         |
|  Multiple Sends                    |  Re-entrancy                   |
|  Using Suicide                    |  Tautology or contradiction   |
|  Gas Limitand Loops              |  Timestamp Dependence        |
|  Address hardcoded               |  Revert/require functions    |
|  Exception Disorder              |  Use of tx.origin            |
|  Using inline assembly           |  Integer overflow/underflow  |
|  Divide before multiply          |  Dangerous strict equalities |
|  Missing Zero Address Validation |  Using SHA3                  |
|  Compiler version not fixed      |  Using throw                 |
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# CLASSIFICATION OF RISK

## Severity

## Description

### ◆ Critical

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

### ◆ High-Risk

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

### ◆ Medium-Risk

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

### ◆ Low-Risk

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

### ◆ Gas Optimization /Suggestion

A vulnerability that has an informational character but is not affecting any of the code.

## Findings

### Severity

### Found

#### ◆ Critical

0

#### ◆ High-Risk

0

#### ◆ Medium-Risk

0

#### ◆ Low-Risk

0

#### ◆ Gas Optimization / Suggestions

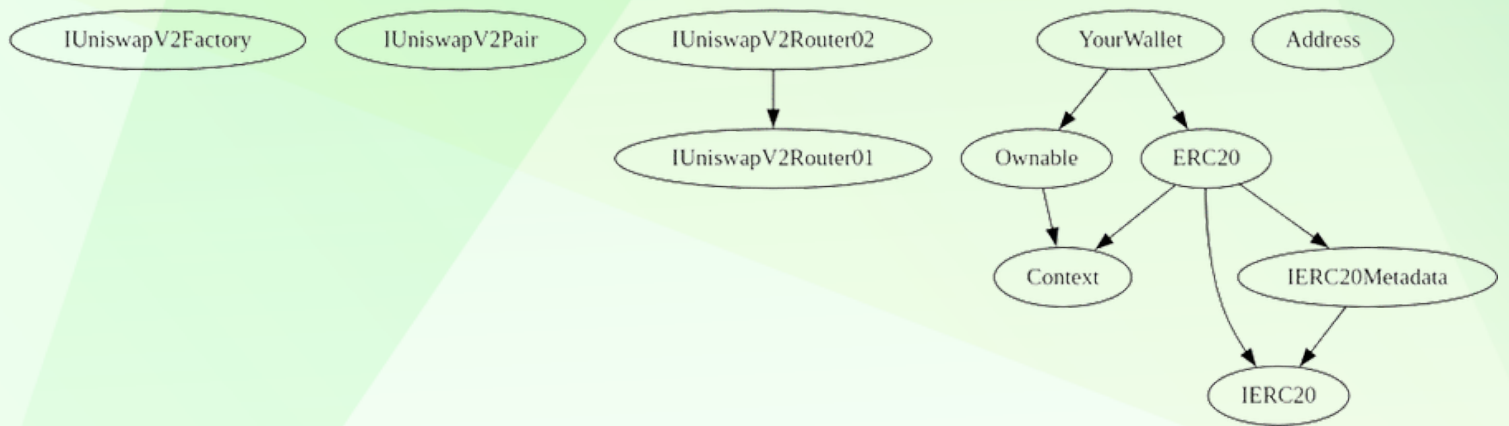
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# INHERITANCE TREE

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# POINTS TO NOTE

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- **Owner is not able to change taxes (2% buy and 2% sell static, 0% transfer tax)**
  - **Owner is not able to blacklist an arbitrary wallet**
  - **Owner is not able to set max buy/sell/transfer amounts**
  - **Owner is not able to disable trades**
  - **Owner is not able to mint new tokens**
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# CONTRACT ASSESMENT

Contract	Type	Bases			
└──┐	**Function Name**	**Visibility**	**Mutability**	**Modifiers**	
**IUniswapV2Factory**	Interface				
└ feeTo	External	!	NO	!	
└ feeToSetter	External	!	NO	!	
└ getPair	External	!	NO	!	
└ allPairs	External	!	NO	!	
└ allPairsLength	External	!	NO	!	
└ createPair	External	!	⊗	NO	!
└ setFeeTo	External	!	⊗	NO	!
└ setFeeToSetter	External	!	⊗	NO	!
**IUniswapV2Pair**	Interface				
└ name	External	!	NO	!	
└ symbol	External	!	NO	!	
└ decimals	External	!	NO	!	
└ totalSupply	External	!	NO	!	
└ balanceOf	External	!	NO	!	
└ allowance	External	!	NO	!	
└ approve	External	!	⊗	NO	!
└ transfer	External	!	⊗	NO	!
└ transferFrom	External	!	⊗	NO	!
└ DOMAIN_SEPARATOR	External	!	NO	!	
└ PERMIT_TYPEHASH	External	!	NO	!	
└ nonces	External	!	NO	!	
└ permit	External	!	⊗	NO	!
└ MINIMUM_LIQUIDITY	External	!	NO	!	
└ factory	External	!	NO	!	
└ token0	External	!	NO	!	
└ token1	External	!	NO	!	
└ getReserves	External	!	NO	!	
└ price0CumulativeLast	External	!	NO	!	
└ price1CumulativeLast	External	!	NO	!	
└ kLast	External	!	NO	!	
└ mint	External	!	⊗	NO	!
└ burn	External	!	⊗	NO	!
└ swap	External	!	⊗	NO	!
└ skim	External	!	⊗	NO	!
└ sync	External	!	⊗	NO	!
└ initialize	External	!	⊗	NO	!

# CONTRACT ASSESMENT


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| **\*\*IUniswapV2Router01\*\*** | Interface | |||


| | factory | External ! | | NO! |


| | WETH | External ! | | NO! |

| | addLiquidity | External ! |  | NO! |

| | addLiquidityETH | External ! |  | NO! |

| | removeLiquidity | External ! |  | NO! |


| | removeLiquidityETH | External ! |  | NO! |

| | removeLiquidityWithPermit | External ! |  | NO! |

| | removeLiquidityETHWithPermit | External ! |  | NO! |


| | swapExactTokensForTokens | External ! |  | NO! |

| | swapTokensForExactTokens | External ! |  | NO! |

| | swapExactETHForTokens | External ! |  | NO! |

| | swapTokensForExactETH | External ! |  | NO! |

| | swapExactTokensForETH | External ! |  | NO! |

| | swapETHForExactTokens | External ! |  | NO! |

| | quote | External ! | | NO! |

| | getAmountOut | External ! | | NO! |

| | getAmountIn | External ! | | NO! |

| | getAmountsOut | External ! | | NO! |

| | getAmountsIn | External ! | | NO! |


|||||

| **\*\*IUniswapV2Router02\*\*** | Interface | IUniswapV2Router01 |||

| | removeLiquidityETHSupportingFeeOnTransferTokens | External ! |  | NO! |

| | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External ! |  | NO! |

| | swapExactTokensForTokensSupportingFeeOnTransferTokens | External ! |  | NO! |

| | swapExactETHForTokensSupportingFeeOnTransferTokens | External ! |  | NO! |

| | swapExactTokensForETHSupportingFeeOnTransferTokens | External ! |  | NO! |

|||||

| **\*\*IERC20\*\*** | Interface | |||

| | totalSupply | External ! | | NO! |

| | balanceOf | External ! | | NO! |

| | transfer | External ! |  | NO! |

| | allowance | External ! | | NO! |

| | approve | External ! |  | NO! |

| | transferFrom | External ! |  | NO! |

|||||

| **\*\*IERC20Metadata\*\*** | Interface | IERC20 |||

| | name | External ! | | NO! |


























































| | symbol | External ! | | NO! |

| | decimals | External ! | | NO! |

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# CONTRACT ASSESMENT






























```

| **Address** | Library | ||| |
|  | isContract | Internal  | | |
|  | sendValue | Internal   | | |
|  | functionCall | Internal   | | |
|  | functionCall | Internal   | | |
|  | functionCallWithValue | Internal   | | |
|  | functionCallWithValue | Internal   | | |
|  | functionStaticCall | Internal  | | |
|  | functionStaticCall | Internal  | | |
|  | functionDelegateCall | Internal   | | |
|  | functionDelegateCall | Internal   | | |
|  | verifyCallResultFromTarget | Internal  | | |
|  | verifyCallResult | Internal  | | |
|  | _revert | Private  | | |
| | | | |
| **Context** | Implementation | |||
|  | _msgSender | Internal  | | |
|  | _msgData | Internal  | | |
| | | | |
| **Ownable** | Implementation | Context | |||
|  | <Constructor> | Public   | NO  | |
|  | owner | Public  | | NO  | |
|  | renounceOwnership | Public   | onlyOwner | |
|  | transferOwnership | Public   | onlyOwner | |
| | | | |
| **ERC20** | Implementation | Context, IERC20, IERC20Metadata | |||
|  | <Constructor> | Public   | NO  | |
|  | name | Public  | | NO  | |
|  | symbol | Public  | | NO  | |
|  | decimals | Public  | | NO  | |
|  | totalSupply | Public  | | NO  | |
|  | balanceOf | Public  | | NO  | |
|  | transfer | Public   | NO  | |
|  | allowance | Public  | | NO  | |
|  | approve | Public   | NO  | |
|  | transferFrom | Public   | NO  | |
|  | increaseAllowance | Public   | NO  | |
|  | decreaseAllowance | Public   | NO  | |
|  | _transfer | Internal   | | |
|  | _mint | Internal   | | |
|  | _burn | Internal   | | |

```



# CONTRACT ASSESMENT

<sup>L</sup>	\_approve	Internal 		
<sup>L</sup>	\_beforeTokenTransfer	Internal 		
<sup>L</sup>	\_afterTokenTransfer	Internal 		
**\*\*YourWallet\*\***	Implementation	ERC20, Ownable		
<sup>L</sup>	<Constructor>	Public 		ERC20
<sup>L</sup>	<Receive Ether>	External 		NO 
<sup>L</sup>	claimStuckTokens	External 		onlyOwner
<sup>L</sup>	excludeFromFees	External 		onlyOwner
<sup>L</sup>	isExcludedFromFees	Public 		NO 
<sup>L</sup>	changeMarketingWallet	External 		onlyOwner
<sup>L</sup>	enableTrading	External 		onlyOwner
<sup>L</sup>	\_transfer	Internal 		
<sup>L</sup>	setSwapEnabled	External 		onlyOwner
<sup>L</sup>	setSwapTokensAtAmount	External 		onlyOwner
<sup>L</sup>	swapAndSendMarketing	Private 		

| Symbol | Meaning |

| :-----: | ----- |

|  | Function can modify state |

|  | Function is payable |



# STATIC ANALYSIS

```
Reentrancy in YourWallet.transfer(address,address,uint256) (contracts/Ace_Testing_BSC.sol#943-998):
  External calls:
    - swapAndSendMarketing(swapTokensAtAmount) (contracts/Ace_Testing_BSC.sol#975)
      - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#397)
      - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1024-1030)
      - address(marketingWallet).sendValue(newBalance) (contracts/Ace_Testing_BSC.sol#1034)
  External calls sending eth:
    - swapAndSendMarketing(swapTokensAtAmount) (contracts/Ace_Testing_BSC.sol#975)
      - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#397)
  Event emitted after the call(s):
    - Transfer(sender,recipient,amount) (contracts/Ace_Testing_BSC.sol#741)
      - super.transfer(from,to,amount) (contracts/Ace_Testing_BSC.sol#997)
    - Transfer(sender,recipient,amount) (contracts/Ace_Testing_BSC.sol#741)
      - super.transfer(from,address(this),fees) (contracts/Ace_Testing_BSC.sol#994)
Reentrancy in YourWallet.swapAndSendMarketing(uint256) (contracts/Ace_Testing_BSC.sol#1017-1037):
  External calls:
    - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1024-1030)
    - address(marketingWallet).sendValue(newBalance) (contracts/Ace_Testing_BSC.sol#1034)
  Event emitted after the call(s):
    - swapAndSendMarketing(tokenAmount,newBalance) (contracts/Ace_Testing_BSC.sol#1036)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

Address.revert(bytes,string) (contracts/Ace_Testing_BSC.sol#545-560) uses assembly
  - INLINE ASM (contracts/Ace_Testing_BSC.sol#553-556)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Address.revert(bytes,string) (contracts/Ace_Testing_BSC.sol#545-560) is never used and should be removed
Address.functionCall(address,bytes) (contracts/Ace_Testing_BSC.sol#404-415) is never used and should be removed
Address.functionCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#417-423) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (contracts/Ace_Testing_BSC.sol#425-437) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (contracts/Ace_Testing_BSC.sol#439-459) is never used and should be removed
Address.functionDelegateCall(address,bytes) (contracts/Ace_Testing_BSC.sol#488-498) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#500-513) is never used and should be removed
Address.functionStaticCall(address,bytes) (contracts/Ace_Testing_BSC.sol#461-471) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#473-486) is never used and should be removed
Address.isContract(address) (contracts/Ace_Testing_BSC.sol#387-389) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (contracts/Ace_Testing_BSC.sol#533-543) is never used and should be removed
Address.verifyCallResultFromTarget(address,bool,bytes,string) (contracts/Ace_Testing_BSC.sol#515-531) is never used and should be removed
Context.msgData() (contracts/Ace_Testing_BSC.sol#568-571) is never used and should be removed
ERC20._burn(address,uint256) (contracts/Ace_Testing_BSC.sol#758-773) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version0.8.17 (contracts/Ace_Testing_BSC.sol#19) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.16
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (contracts/Ace_Testing_BSC.sol#391-402):
  - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#397)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (contracts/Ace_Testing_BSC.sol#439-459):
  - (success,returndata) = target.call(value: value)(data) (contracts/Ace_Testing_BSC.sol#449-451)
Low level call in Address.functionStaticCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#473-486):
  - (success,returndata) = target.staticcall(data) (contracts/Ace_Testing_BSC.sol#478)
Low level call in Address.functionDelegateCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#500-513):
  - (success,returndata) = target.delegatecall(data) (contracts/Ace_Testing_BSC.sol#505)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls
```

```
Variable IRouter01.addLiquidity(address,address,uint256,uint256,uint256,uint256,address,uint256).amountADesired (contracts/Ace_Testing_BSC.sol#108) is too similar to IRouter01.addLiquidity(a
ddress,address,uint256,uint256,uint256,uint256,address,uint256).amountBDesired (contracts/Ace_Testing_BSC.sol#109)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-too-similar

PRICE.enableTrading() (contracts/Ace_Testing_BSC.sol#566-570) uses literals with too many digits:
  - swapThreshold = (balanceOf(lpPair)) / 100000 (contracts/Ace_Testing_BSC.sol#568)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

PRICE.LiquidityAdded (contracts/Ace_Testing_BSC.sol#280) should be constant
PRICE.canSwapFees (contracts/Ace_Testing_BSC.sol#269) should be constant
PRICE.maxBuyFee (contracts/Ace_Testing_BSC.sol#259) should be constant
PRICE.maxSellFee (contracts/Ace_Testing_BSC.sol#258) should be constant
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-constant

PRICE.swapRouter (contracts/Ace_Testing_BSC.sol#273) should be immutable
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable
```

**Result => A static analysis of contract's source code has been performed using slither, no major issues were found (except some "minor impact" suggestions)**





# FUNCTIONAL TESTING

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## **Router (PCS V2):**

0xD99D1c33F9fC3444f8101754aBC46c52416550D1

## **0- Deploying (Passed):**

<https://testnet.bscscan.com/tx/0x6deaadec8164053f3c3280242e181340ee20f6873b7584851e180ebb04761e9f>

## **1- Adding Liquidity (Passed):**

**liquidity added on Pancakeswap V2:**

<https://testnet.bscscan.com/tx/0x384a66401ed6a2f7aecab97a6e2afaf6cf25284058fe2429a8cb911f4d70ba8c>

**no issue were found on adding liquidity.**

## **2- Enabling trade for public (Passed):**

<https://testnet.bscscan.com/tx/0x209b9f0f6a162f6c7643485a2ff2747f31f4b0eb0a4a7f5380e794558e3a8c17>

## **3- Excluding deployer's wallet from taxes (to test taxes) (Passed):**

<https://testnet.bscscan.com/tx/0x4259b5c1978b258746e3582c0dfa7de2b1522011b9a150f9d0a5b33707a4b6>

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# FUNCTIONAL TESTING

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## 4- Buying from a non-excluded wallet (Passed):

<https://testnet.bscscan.com/tx/0xa4ba3ac8ad67dd409775614ec1485210e7f2245bb3a96addec5f946c116a0cbf>

2% static tax on buys ( sent to contract )

## 5- Selling from a non-excluded wallet (Passed):

<https://testnet.bscscan.com/tx/0x5f0eff4211d81b2f514ea04b421a0b69cfbe3c9d17238a4f42fe07cf132185a9>

2% static tax on sells

## 6- Swap & liquify (Passed):

taxes were swapped to BNB and sent to marketing wallets.

<https://testnet.bscscan.com/address/0xbf21ce7e474e7d447cdced111de8f3ae87822ed6#internaltx>

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# MANUAL TESTING

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**NO ISSUES WERE FOUND**





# DISCLAIMER

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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. 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 Auditace 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 Auditace receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token. The Auditace team disclaims any liability for the resulting losses.

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# ABOUT AUDITACE

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We specialize in providing thorough and reliable audits for Web3 projects. With a team of experienced professionals, we use cutting-edge technology and rigorous methodologies to evaluate the security and integrity of blockchain systems. We are committed to helping our clients ensure the safety and transparency of their digital assets and transactions.



**<https://auditace.tech/>**



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