



# Smart Contract Audit

FOR  
PIPI

DATED : 30 Jan, 2024



# AUDIT SUMMARY

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**Project name –** PIPI

**Date:** 30 Jan, 2024

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

**Audit Status:** Passed

## 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- Test Network:** All tests were conducted on the Test network, and each test has a corresponding transaction attached to it. These tests can be found in the "Functional Tests" section of the report.

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# Token Information

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**Token Name :** PIPi

**Token Symbol:** PIPi

**Decimals:** 6

**Token Supply:** 999,995,573.212484

**Network:** SolScan

**Token Type:** Solana Token (SPL Standard)

**Token Address:**

CkJTqMGHpSgfBzQzRZtL3xKgpF7hmLTnHXXpZXYXc5Wp

**Minter:**

GkCMFXiaigYTqdKuPayABxvR3c1tmMveWQ1aqL2WXcPQ

**Explorer:**

<https://explorer.solana.com/address/CkJTqMGHpSgfBzQzRZtL3xKgpF7hmLTnHXXpZXYXc5Wp>

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# TOKEN OVERVIEW

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## **Fees:**

**Buy Fee: N/A**

**Sell Fee: N/A**

**Transfer Fee: N/A**

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**Fees Privilege: Owner**

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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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# 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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# FUNCTIONAL TESTING

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## 1- Transfer (passed):

Transaction Signature -

5N18Gz3XQWRLikubzi6CTapEoHABhRLY1ifmkSKFXWtrDVbYmn7PwY22Vemh  
USX2chcouaqhpREkKp4tp8yNRizB

## 2- Get Account Data Size(passed):

Transaction Signature -

5N18Gz3XQWRLikubzi6CTapEoHABhRLY1ifmkSKFXWtrDVbYmn7PwY22Vemh  
USX2chcouaqhpREkKp4tp8yNRizB

## 3- Initialize Immutable Owner (passed):

Transaction Signature -

3cnew9Mba5wMpwEEr8mo8r7CN7x8PefbaQ6h1JbwVsYEcBFVdqLh5AsQN1w  
F1VffzPGQmHTd4JKb1g22ETC2tTVg

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# POINTS TO NOTE

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- The owner can transfer ownership.
- The owner can renounce ownership.





# 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	0



# LIST OF BUGS CHECKED

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- 1. Missing Ownership Check**
- 2. Missing Signer Check**
- 3. Integer Over/Underflow**
- 4. Arbitrary Signed Program Invocation**
- 5. Solana Account Confusions**
- 6. SPL Token Program Approve Instruction**



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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.



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