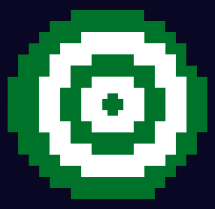
ASSURE DEFI®
THE VERIFICATION GOLD STANDARD

Security Assessment:

AddOn Ai TOKEN

January 19, 2025

- Audit Status: **Pass**
- Audit Edition: **Advance**



Risk Analysis

Classifications of Manual Risk Results

Classification	Description
Critical	Danger or Potential Problems.
High	Be Careful or Fail test.
Medium	Pass, Not-Detected or Safe Item.
Low	Function Detected

Manual Code Review Risk Results

Contract Privilege	Description
Buy Tax	5%
Sale Tax	5%
Cannot Buy	Pass
Cannot Sale	Pass
Max Tax	35%
Modify Tax	Yes
Fee Check	Pass
Is Honeypot?	Not Detected
Trading Cooldown	Not Detected
Can Pause Trade?	Pass
Pause Transfer?	Not-Detected
Max Tx?	Pass
Is Anti Whale?	Detected
Is Anti Bot?	Not-Detected

Contract Privilege	Description
Is Blacklist?	Not-Detected
Blacklist Check	Pass
is Whitelist?	Detected
Can Mint?	Pass
Is Proxy?	Not Detected
Can Take Ownership?	Not Detected
Hidden Owner?	Not-Detected
Owner	No
Self Destruct?	Not Detected
External Call?	Not-Detected
Other?	Not Detected
Holders	1,038
Auditor Confidence	Medium
KYC Present	No
KYC URL	

The following quick summary it's added to the project overview; however, there are more details about the audit and its results. Please read every detail.

Project Overview

Token Summary

Parameter	Result
Address	0xa579472f17b6E1b6C5dED2A785067a89EC536ce8
Name	AddOn Ai
Token Tracker	AddOn Ai (AddOn)
Decimals	18
Supply	10,000,000
Platform	ETHEREUM
compiler	v0.8.22+commit.4fc1097e
Contract Name	AddOnAi
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://etherscan.io/address/0xa579472f17b6E1b6C5dED2A785067a89EC536ce8#code
Payment Tx	Corporate

Main Contract Assessed Contract Name

Name	Contract	Live
AddOn Ai	0xa579472f17b6E1b6C5dED2A785067a89EC536ce8	Yes

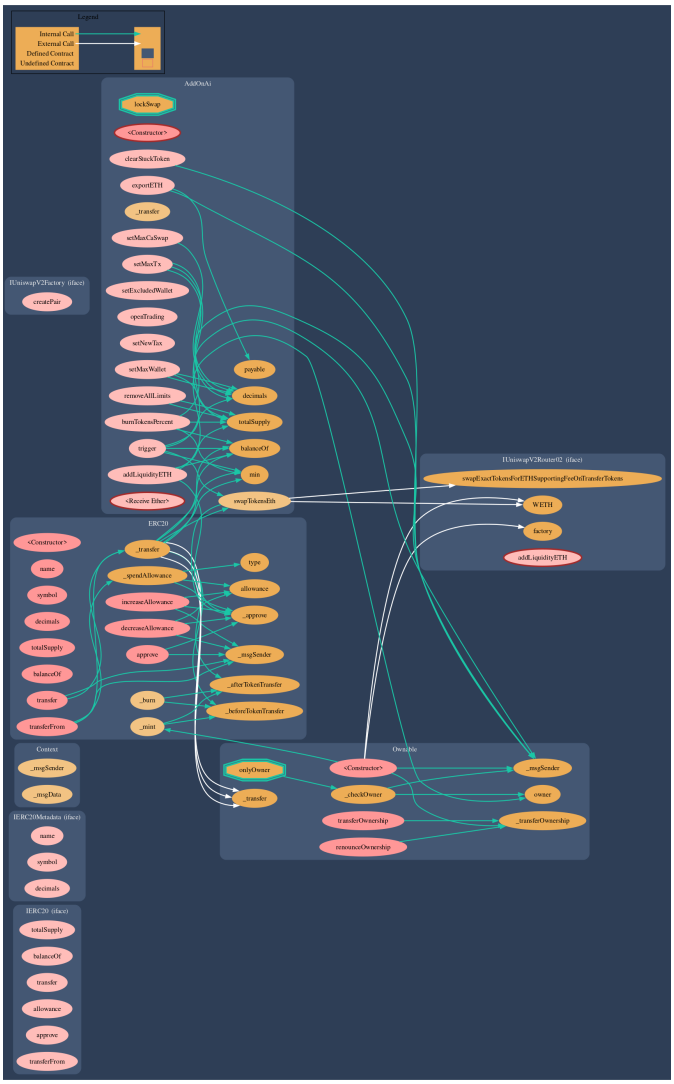
TestNet Contract was Not Assessed

Solidity Code Provided

SolID	File Sha-1	FileName
AddOnAi	4ebdb545d8be36dc2f5e6d30b28aa3283a232c27	AddOnAi.sol
AddOnAi		.sol
AddOnAi		.sol
AddOnAi		.sol
AddOnAi		.sol
AddOnAi		.sol

Call Graph

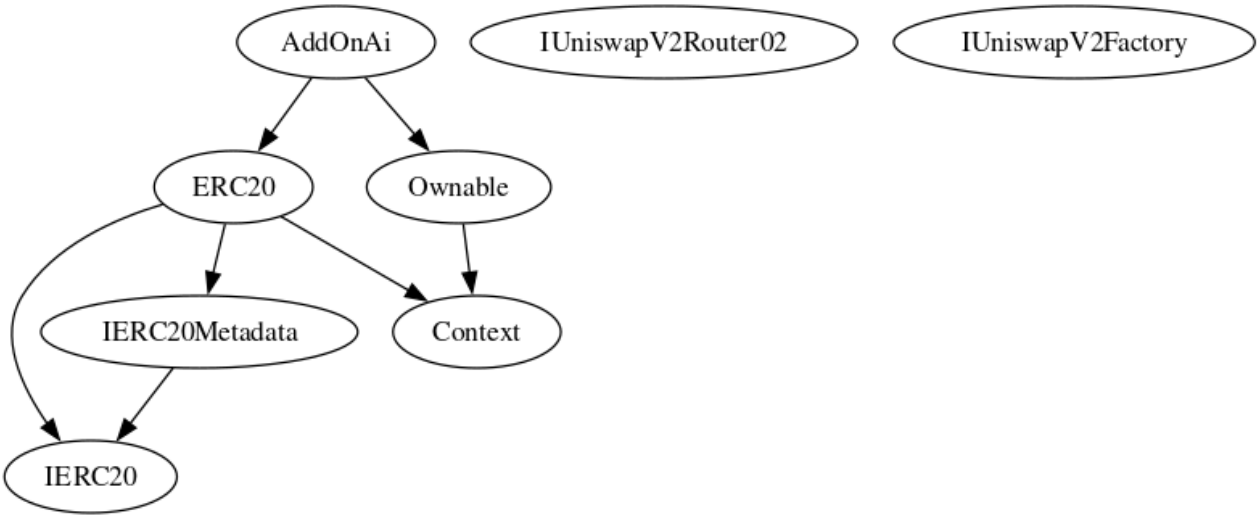
The contract for AddOn Ai has the following call graph structure.



Inheritance

The contract for AddOn Ai has the following inheritance structure.

The Project has a Total Supply of 10,000,000



Privileged Functions (onlyOwner)

Please Note if the contract is Renounced none of this functions can be executed.

Function Name	Parameters	Visibility
renounceOwnership		Public
transferOwnership	address newOwner	Public
addLiquidityETH		External
setMaxCaSwap		External
setMaxTx		External
setMaxWallet		External
setExcludedWallet		External
openTrading		External
setNewTax		External
removeAllLimits		External

AddOn-03 | Lack of Input Validation.

Category	Severity	Location	Status
Volatile Code	Low	AddOnAi.sol: L: 568 C: 12, L: 680 C: 12, L: 693 C: 12, L: 775 C: 12, L: 779 C: 12	Detected

Description

The given input is missing the check for the non-zero address.

The given input is missing the check for the onlyOwners need to be revisited for require..

Remediation

We advise the client to add the check for the passed-in values to prevent unexpected errors as below:

```
...
 require(receiver != address(0), "Receiver is the zero address");
...
...
require(value X limitation, "Your not able to do this function");
...
```

We also recommend customer to review the following function that is missing a required validation. onlyOwners need to be revisited for require..

AddOn-05 | Missing Event Emission.

Category	Severity	Location	Status
Volatile Code	Low	AddOnAi.sol: L: 568 C: 12, L: 576 C: 12, L: 680 C: 12, L: 693 C: 12, L: 761 C: 12, L: 769 C: 12, L: 775 C: 12, L: 779 C: 12, L: 784 C: 12, L: 794 C: 12	Detected

Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.The linked code does not create an event for the transfer.

Remediation

Emit an event for critical parameter changes. It is recommended emitting events for the sensitive functions that are controlled by centralization roles.

AddOn-19 | Centralization Privileges of.

Category	Severity	Location	Status
	Medium	AddOnAi.sol: L: 0 C: 14	Detected

Description

Centralized Privileges are found on the following functions.

Remediation

Inheriting from Ownable and calling its constructor on yours ensures that the address deploying your contract is registered as the owner. The onlyOwner modifier makes a function revert if not called by the address registered as the owner.

Project Action

Technical Findings Summary

Classification of Risk

Severity	Description
Critical	Risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.
High	Risks can include centralization issues and logical errors. Under specific circumstances, these major risks can lead to loss of funds and/or control of the project.
Medium	Risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform
Low	Risks can be any of the above but on a smaller scale. They generally do not compromise the overall integrity of the Project, but they may be less efficient than other solutions.
Informational	Errors are often recommended to improve the code's style or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

Findings

Severity	Found	Pending	Resolved
Critical	0	0	0
High	0	0	0
Medium	1	1	0
Low	2	2	0
Informational	0	0	0
Total	3	3	0

Social Media Checks

Social Media	URL	Result
Twitter	https://twitter.com/addon_ai	Pass
Other		N/A
Website	https://addonai.net/	Pass
Telegram	https://t.me/addon_ai	Pass

We recommend to have 3 or more social media sources including a completed working websites.

Social Media Information Notes:

Auditor Notes: undefined

Project Owner Notes:

Assessment Results

Score Results

Review	Score
Overall Score	87/100
Auditor Score	85/100
Review by Section	**Score**
Manual Scan Score	25
Auto Scan Score	37
Advance Check Score	25

The Following Score System Has been Added to this page to help understand the value of the audit, the maximum score is 100, however to attain that value the project most pass and provide all the data needed for the assessment. Our Passing Score has been changed to 84 Points for a higher standard, if a project does not attain 85% is an automatic failure. Read our notes and final assessment below.

Audit Passed

Assessment Results

Important Notes:

- Tax and Fee Structure: Initial buy and sell taxes are high, which may deter users. Ensure users are aware of these rates. The dynamic reduction of taxes based on transaction count is complex; ensure this logic is thoroughly tested.ı
- Transaction and Wallet Limits: The owner can adjust max transaction and wallet limits. Ensure these limits are set to reasonable values to prevent abuse.ı
- Swap and Liquidity Mechanism: The contract automatically swaps tokens for ETH, which could lead to slippage. Consider implementing slippage protection. Only 7 sells are allowed per block, which could impact liquidity and trading.ı
- Security Best Practices: Ensure functions that can be called by the owner are protected against reentrancy and other common vulnerabilities. Consider using a timelock for critical changes to allow community oversight.ı
- Token Burn and Transfer Functions: The contract allows for token burning, which can affect supply. Ensure this is used transparently. Transfer functions should be thoroughly tested to ensure compliance with ERC20 standards.ı
- Potential for Front-Running:The tax and swap mechanisms may be susceptible to front-running. Consider implementing measures to mitigate this risk.ı
- Gas Optimization: Review the contract for potential gas optimizations, especially in frequently called functions like

_transfer. Consider using unchecked blocks where safe to reduce gas costs.

Auditor Score =85
Audit Passed

Appendix

Finding Categories

Centralization / Privilege

Centralization / Privilege findings refer to either feature logic or implementation of components that actagainst the nature of decentralization, such as explicit ownership or specialized access roles incombination with a mechanism to relocate funds.

Gas Optimization

Gas Optimization findings do not affect the functionality of the code but generate different, more optimalEVM opcodes resulting in a reduction on the total gas cost of a transaction.

Logical Issue

Logical Issue findings detail a fault in the logic of the linked code, such as an incorrect notion on howblock.timestamp works.

Control Flow

Control Flow findings concern the access control imposed on functions, such as owner-only functionsbeing invoke-able by anyone under certain circumstances.

Volatile Code

Volatile Code findings refer to segments of code that behave unexpectedly on certain edge cases that mayresult in a vulnerability.

Coding Style

Coding Style findings usually do not affect the generated byte-code but rather comment on how to makethe codebase more legible and, as a result, easily maintainable.

Inconsistency

Inconsistency findings refer to functions that should seemingly behave similarly yet contain different code,such as a constructor assignment imposing different require statements on the input variables than a setterfunction.

Coding Best Practices

ERC 20 Conding Standards are a set of rules that each developer should follow to ensure the code meet a set of creterias and is readable by all the developers.

Disclaimer

Assure Defi has conducted an independent security assessment to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the reviewed code for the scope of this assessment. This report does not constitute agreement, acceptance, or advocation for the Project, and users relying on this report should not consider this as having any merit for financial advice in any shape, form, or nature. The contracts audited do not account for any economic developments that the Project in question may pursue, and the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude, and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are entirely free of exploits, bugs, vulnerabilities or deprecation of technologies.

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