Smart Contract Audit Report - NebulaX (NBX)

Overview

NebulaX (NBX) is an ERC20 token deployed on the Polygon network, built using OpenZeppelin libraries.

The contract includes basic minting and burning functionalities accessible only by the contract owner.

Initial supply of 500,000,000,000 NBX tokens is minted to the owner during deployment.

Key Observations

- Contract is based on OpenZeppelin (safe and audited base)

- Uses Solidity version ^0.8.0 (safe against overflow bugs)

- No fees, taxes, or transfer restrictions are implemented

- No hidden functions (backdoors) were found

- Owner can mint or burn tokens anytime (requires trust from the community)

- No pausable mechanism

- No renounceOwnership function implemented

- No blacklist or whitelist mechanics (fully open token)

Security Analysis

No scam functions found.

Transparent mint/burn functions with onlyOwner access.

Owner retains full control - this is a centralization risk unless ownership is renounced later.

Recommend community to track contract owner behavior and hold accountable.

Recommendation

1. Optionally add renounceOwnership() to increase decentralization.

2. Consider future audit from a public service like TechRate or SolidProof for further trust.

3. Publish this report on your website, Telegram, and GitHub.

Contract Details

- Token: NebulaX (NBX)

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- Network: Polygon

- Token Contract: 0x5F345C3F27f187800c4F4303C7f058cb61B0d220

- Verified on: ChatGPT Basic Audit