

GERD Token Smart Contract Audit Summary

GERD Token Audit Report (Summary)

1. Basic Contract Properties

- ERC-20 Compliance: Basic (Implements transfer, approve, transferFrom, etc.)
- Decimals: 2 (Matches your tokenomics)
- Total Supply: 120B
- Mint Function: No (Fixed supply)
- Burn Function: No (Manual only by sending to burn address)

2. Ownership & Access Control

- Owner/Admin: No owner (No onlyOwner, Ownable, or admin roles)
- Upgradability: No (Static, not upgradeable)
- Multisig Control: Not in token (Handled separately in vesting/airdrops)

3. Token Transfer Logic

- Transfer: Yes (Standard functionality)
- Allowance & Approve: Yes
- Transfer Tax: None
- Blacklist / Freeze Logic: None
- Overflow/Reentrancy: Safe (Solidity 0.8)

4. Token Safety

- Token Recovery: Medium Risk (Tokens sent to contract are unrecoverable)
- Locked State: Safe (No pause or halt features)
- Malicious Code: Clean

Final Verdict:

The GERD token contract is clean, immutable, and safe for holders. No backdoors or admin privileges exist. However, it lacks token recovery or upgrade paths, which are intentionally left out for simplicity.

Optional Recommendations:

- Add `recoverERC20()` to future contracts (vesting, airdrop)
- Consider a wrapper/vault if future flexibility is needed