Cyberscope

Audit Report

NUTGAIN Staking

April 2022

Type	BEP20
Network	BSC
Address	0xF1477207249C4429a0B872dFE91E276176DCedff
Audited by	© cyberscope

Table of Contents

Contract Review

Contract Name	NutGainSingleStaking
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0xf1477207249c4429a0b872dfe91e276176dcedff

Source Files

Filename	**SHA256**
contract.sol	1d7015d97935ed3fc35fbd55165d192b66105ecde365fbd4642989491e0dcca8

Audit Updates

Initial Audit	21st April 2022
Corrected	

Contract Diagnostics

🔴 Critical 🟠 Medium ● Minor

Severity	Code	Description
●	DSO	Data Structure Optimization
●	CO	Code Optimization
●	STC	Succeeded Transfer Check
●	CR	Code Repetition
●	MC	Missing Check
●	L01	Public Function could be Declared External
●	L02	State Variables could be Declared Constant
●	L04	Conformance to Solidity Naming Conventions
●	L07	Missing Events Arithmetic
●	L09	Dead Code Elimination
●	L13	Divide before Multiply Operation
●	L14	Uninitialized Variables in Local Scope

Notes

- if tokenSupply * apy is less than 1051200000, then no rewards will be distributed since the division will be less than 1.
- A user can withdraw the deposited amount with two ways. The emergencyWithdraw() that receives the entire amount, and the withdraw() that receives the amount redacted by an early withdrawal tax. The users have no reason to withdraw tokens using the withdraw() method since they have the option to call the emergencyWithdraw() method