



Pleasure Coin  
**Smart Contract  
Audit Report**

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# AUDITED DETAILS

## Audited Project

Project name	Token ticker	Blockchain
Pleasure Coin	NSFW	Polygon Matic

## Addresses

Contract address	0x8f006d1e1d9dc6c98996f50a4c810f17a47fbf19
Contract deployer address	0x129F027a491D96aBCeD68cC30976797a42987303

## Project Website

<https://www.pleasurecoin.com/>

## Codebase

<https://polygonscan.com/address/0x8f006d1e1d9dc6c98996f50a4c810f17a47fbf19#code>

# SUMMARY

Pleasure Coin (NSFW) is an ERC-20 token on the Polygon chain that will be utilized within the Pleasure Network, an adult industry ecosystem that empowers individuals and businesses.

## Contract Summary

### **Documentation Quality**

Pleasure Coin provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

### **Code Quality**

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by Pleasure Coin with the discovery of several low issues.

### **Test Coverage**

Test coverage of the project is 100% ( Through Codebase )

## Audit Findings Summary

- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 309, 328, 350, 383, 385, 406, 407, 432 and 434.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 12, 97, 127, 154, 511, 538 and 558.

## CONCLUSION

We have audited the Pleasure Coin project released in March 2022 to discover issues and identify potential security vulnerabilities in Pleasure Coin Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides satisfactory results with low-risk issues.

The issues found in the Pleasure Coin smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issue found is a floating pragma is set. Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly. Locking the pragma helps to ensure that contracts do not accidentally get deployed using, for example, an outdated compiler version that might introduce bugs that affect the contract system negatively. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

# AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	PASS
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	PASS
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS

Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	PASS
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	PASS
Unused variables	SWC-131 SWC-135	Unused variables are allowed in Solidity and they do not pose a direct security issue.	PASS
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	PASS
Hash Collisions Variable	SWC-133	Using <code>abi.encodePacked()</code> with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The <code>transfer()</code> and <code>send()</code> functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS





SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
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## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 309

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
308     unchecked {
309         _approve(sender, _msgSender(), currentAllowance - amount);
310     }
311
312     return true;
313
```

# SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 328

## low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

## Source File

- StandardERC20.sol

## Locations

```
327  function increaseAllowance(address spender, uint256 addedValue) public virtual
returns (bool) {
328  _approve(_msgSender(), spender, _allowances[_msgSender()][spender] + addedValue);
329  return true;
330  }
331
332
```

## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 350

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
349     unchecked {
350         _approve(_msgSender(), spender, currentAllowance - subtractedValue);
351     }
352
353     return true;
354
```

## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 383

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
382     unchecked {  
383         _balances[sender] = senderBalance - amount;  
384     }  
385     _balances[recipient] += amount;  
386  
387
```

## SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 385

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
384     }
385     _balances[recipient] += amount;
386
387     emit Transfer(sender, recipient, amount);
388
389
```

## SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 406

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
405
406   _totalSupply += amount;
407   _balances[account] += amount;
408   emit Transfer(address(0), account, amount);
409
410
```



## SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 407

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
406  _totalSupply += amount;
407  _balances[account] += amount;
408  emit Transfer(address(0), account, amount);
409
410  _afterTokenTransfer(address(0), account, amount);
411
```

## SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 432

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
431     unchecked {  
432         _balances[account] = accountBalance - amount;  
433     }  
434     _totalSupply -= amount;  
435  
436
```

## SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 434

### low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

### Source File

- StandardERC20.sol

### Locations

```
433     }
434     _totalSupply -= amount;
435
436     emit Transfer(account, address(0), amount);
437
438
```

## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 12

### low SEVERITY

The current pragma Solidity directive is `^0.8.0`. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
11
12  pragma solidity ^0.8.0;
13
14  /**
15   * @dev Interface of the ERC20 standard as defined in the EIP.
16
```

## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 97

### low SEVERITY

The current pragma Solidity directive is `^0.8.0`. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
96
97  pragma solidity ^0.8.0;
98
99
100  /**
101
```

## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 127

### low SEVERITY

The current pragma Solidity directive is `""^0.8.0""`. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
126
127  pragma solidity ^0.8.0;
128
129  /**
130   * @dev Provides information about the current execution context, including the
131
```

## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 154

### low SEVERITY

The current pragma Solidity directive is `""^0.8.0""`. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
153
154  pragma solidity ^0.8.0;
155
156
157
158
```

## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 511

### low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
510
511  pragma solidity ^0.8.0;
512
513
514  /**
515
```



## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 538

### low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
537
538  pragma solidity ^0.8.0;
539
540  interface IPayable {
541  function pay(string memory serviceName) external payable;
542
```

## SWC-103 | A FLOATING PRAGMA IS SET.

LINE 558

### low SEVERITY

The current pragma Solidity directive is `""^0.8.0""`. It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

### Source File

- StandardERC20.sol

### Locations

```
557  
558  pragma solidity ^0.8.0;  
559  
560  
561  
562
```

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