SPYWOLF

Security Audit Report

Audit prepared for

CeramicLiberty

Completed on

March 1, 2025

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KEY RESULTS

Cannot mint new tokens	Passed
Cannot pause trading (honeypot)	Passed
Cannot blacklist an address	Passed
Cannot raise taxes over 25%?	*
No proxy contract detected	Passed
Not required to enable trading	Passed
No hidden ownership	Passed
Cannot change the router	Passed
No cooldown feature found	Passed
Bot protection delay is lower than 5 blocks	Passed
Cannot set max tx amount below 0.05% of total supply	Passed
The contract cannot be self-destructed by owner	Passed

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

*The initial sell tax is 30%, which is higher than 25%. However, the tax can only decrease over time, meaning the issue resolves itself.

OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team’s evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

TABLE OF CONTENTS

Ceramic Liberty

PROJECT DESCRIPTION

CL8Y offers traders a unique opportunity with its deflationary design and automated buy pressure that work together to drive scarcity and potential price appreciation over time. With a fixed supply of just 3,000,000 tokens, no buy fees, and a 📈fair launch that prevents insider dumps, traders benefit from a level playing field right from the start. Its built-in anti-sniper mechanism protects against early market manipulation, while a multi-chain rollout across BSC, Terra Classic, and P2B ensures robust liquidity. By aligning with an innovative ecosystem focused on open-source development, CL8Y not only has strong intrinsic value but also provides a sustainable growth model that could reward long-term holders.

Release Date: Mar 1, 2025

Category: Token

CONTRACT INFO

Token Name
CeramicLiberty.com

Symbol
CL8Y

Contract Address
0x999311589cc1Ed0065AD9eD9702cB593FFc62ddF

Network
Binance Smart Chain

Language
Solidity

Deployment Date
Feb-24-2025

Contract Type
Token

Total Supply
3,000,000 CL8Y

Status
Launched

TAXES

Buy Tax
0%

Sell Tax
30%

*30% Initially, Decreasing Over Time | | Anti-Snipe Tax | 50% for the first 5 seconds of trading | | Final Target Sell Tax | 10% (after 24 hours) → 1% (after 1 week) → 0.25% (after $10M market cap)

Our Contract Review Process

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

KEY FEATURES & IMPLEMENTATION REVIEW

✅ Sell Tax with Burn Mechanism

- Initial 30% sell tax, decreasing over time.
- Burns all taxed tokens (reducing total supply).
- Implemented correctly: The `_update` function correctly deducts the tax and burns it.
- Cannot be increased once reduced (this is correctly enforced with UnderMin checks in ownerSetBurnTo1000Bps, ownerSetBurnTo100Bps, etc.).

✅ Maximum Wallet Balance Restriction

- Starts at 1,000 tokens, owner can increase but never decrease.
- Functions correctly (`ownerSetMaxWalletTo10k` & `ownerSetMaxWalletToMax`).
- `_revertIfStandardWalletAndOverMaxHolding()` correctly prevents exceeding the max balance.

✅ Anti-Snipe Protection

- 50% tax on buys in the first 5 seconds of trading.
- Implemented inside `_update()` correctly.
- Tokens are burned to discourage sniping.

✅ Controlled Trading Start

- Trading starts at a set timestamp.
- Owner can set the start time before trading begins but cannot stop trading once it starts.
- Implemented correctly via `ownerSetTradingOpenTime()` and `TradingAlreadyOpen` error.

KEY FEATURES & IMPLEMENTATION REVIEW

✔ One-Way Parameter Restrictions

- Sell tax cannot be increased once reduced.
- Max wallet can only be increased.
- Trading cannot be disabled once started.

✔ ERC20 Extensions

- Uses ERC20Permit (gasless approvals).
- Includes ERC20Burnable.
- Ownable contract for ownership controls.

✔ Token Rescue Mechanism

- Allows the owner to withdraw ERC20 tokens sent to the contract.
- This function is common and useful but should be monitored to ensure no abuse.

✔ Initial Supply & Liquidity

- 3,000,000 tokens minted to the owner.
- Liquidity isn't locked yet but will be burned (important to track).

VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	**Passed**
SWC-101	Integer Overflow and Underflow	**Passed**
SWC-102	Outdated Compiler Version	**Passed**
SWC-103	Floating Pragma	**Passed**
SWC-104	Unchecked Call Return Value	**Passed**
SWC-105	Unprotected Ether Withdrawal	**Passed**
SWC-106	Unprotected SELFDESTRUCT Instruction	**Passed**
SWC-107	Reentrancy	**Passed**
SWC-108	State Variable Default Visibility	**Passed**
SWC-109	Uninitialized Storage Pointer	**Passed**
SWC-110	Assert Violation	**Passed**
SWC-111	Use of Deprecated Solidity Functions	**Passed**
SWC-112	Delegatecall to Untrusted Callee	**Passed**
SWC-113	DoS with Failed Call	**Passed**
SWC-114	Transaction Order Dependence	**Passed**
SWC-115	Authorization through tx.origin	**Passed**
SWC-116	Block values as a proxy for time	**Passed**
SWC-117	Signature Malleability	**Passed**
SWC-118	Incorrect Constructor Name	**Passed**

VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed

VULNERABILITY ANALYSIS

NO ERRORS FOUND

MANUAL
CODE REVIEW

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

THREAT LEVELS

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

FOUND THREATS

⚠ Medium Risk

Potential for Max Wallet Bypass via Smart Contracts

The `_revertIfStandardWalletAndOverMaxHolding()` check only applies to EOAs (Externally Owned Accounts).

*Smart contracts interacting with the token might not be properly restricted.

Recommendation
- Consider adding a check to block contracts from bypassing the max wallet limit.

FOUND THREATS

⚠️ Low Risk

Owner Controls Tax Reduction

The contract allows the owner to manually reduce the sell tax over time through the following functions:

- `ownerSetBurnTo1000Bps()` → Reduces tax to 10% (1,000 basis points).
- `ownerSetBurnTo100Bps()` → Reduces tax to 1% (100 basis points).
- `ownerSetBurnTo25Bps()` → Reduces tax to 0.25% (25 basis points).

This means that while the tax can never be increased, the owner has full control over when the reductions take place. If the owner delays or does not execute these functions, the community is reliant on the owner's actions to ensure fair tax reductions.

Recommendation

- Implement a timelock contract that automates tax reductions at predefined times. This removes owner control and ensures the tax reduction schedule is fair and transparent.

FOUND THREATS

Informational

Front-Running During Tax Reductions

Bots can monitor when the tax is reduced and buy immediately before the tax decrease.

Recommendation
- Consider using a gradual tax reduction mechanism.

Gas Costs for Transfers

The `_update()` function adds extra calculations for tax and anti-snipe checks, slightly increasing gas fees.

Recommendation
- Optimize gas usage by removing redundant conditions.

No Minting Function After Deployment

Good security as no new tokens can be created after the initial 3M supply.

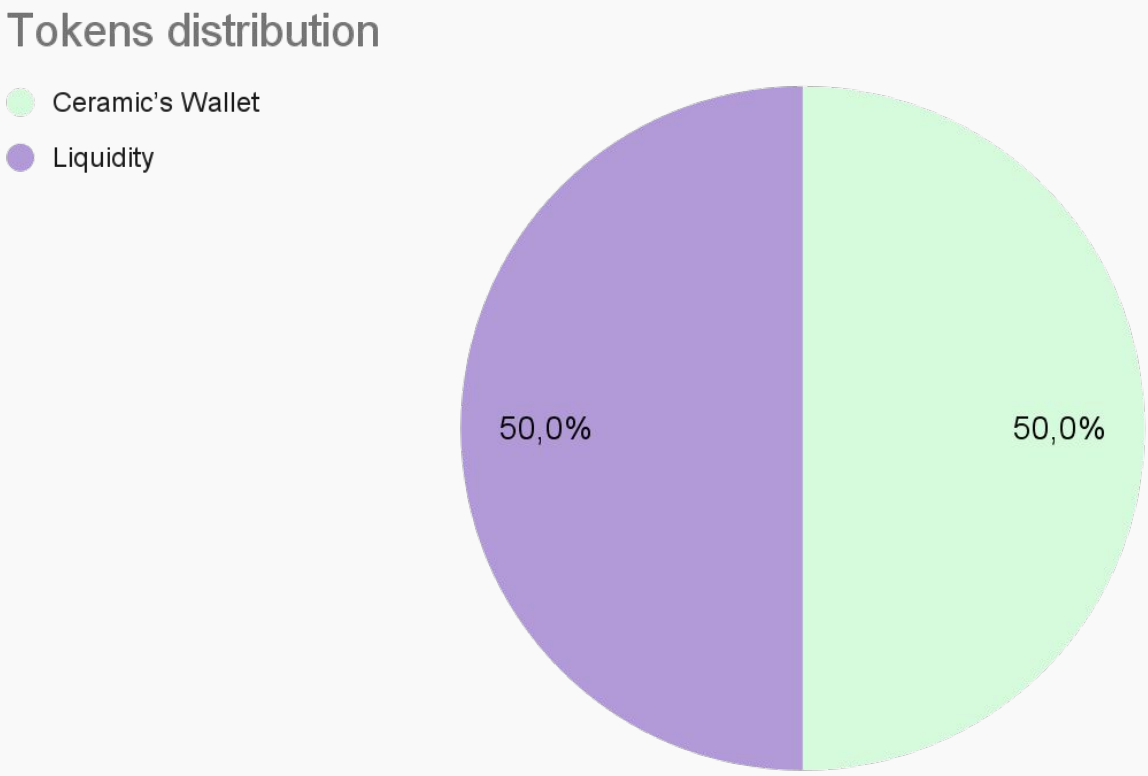
Token Rescue Function

While useful, investors should know it does not allow withdrawal of CL8Y tokens (only external ERC20 tokens).

TOKENOMICS

*The following tokenomics are based on the project's whitepaper and/or website:

- 50% - Presale
- 50% - Ceramic’s Wallet



WEBSITE

Website URL
https://ceramicliberty.com/

Domain Registry
NameCheap, Inc.

Domain Expiration
2026-02-02

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

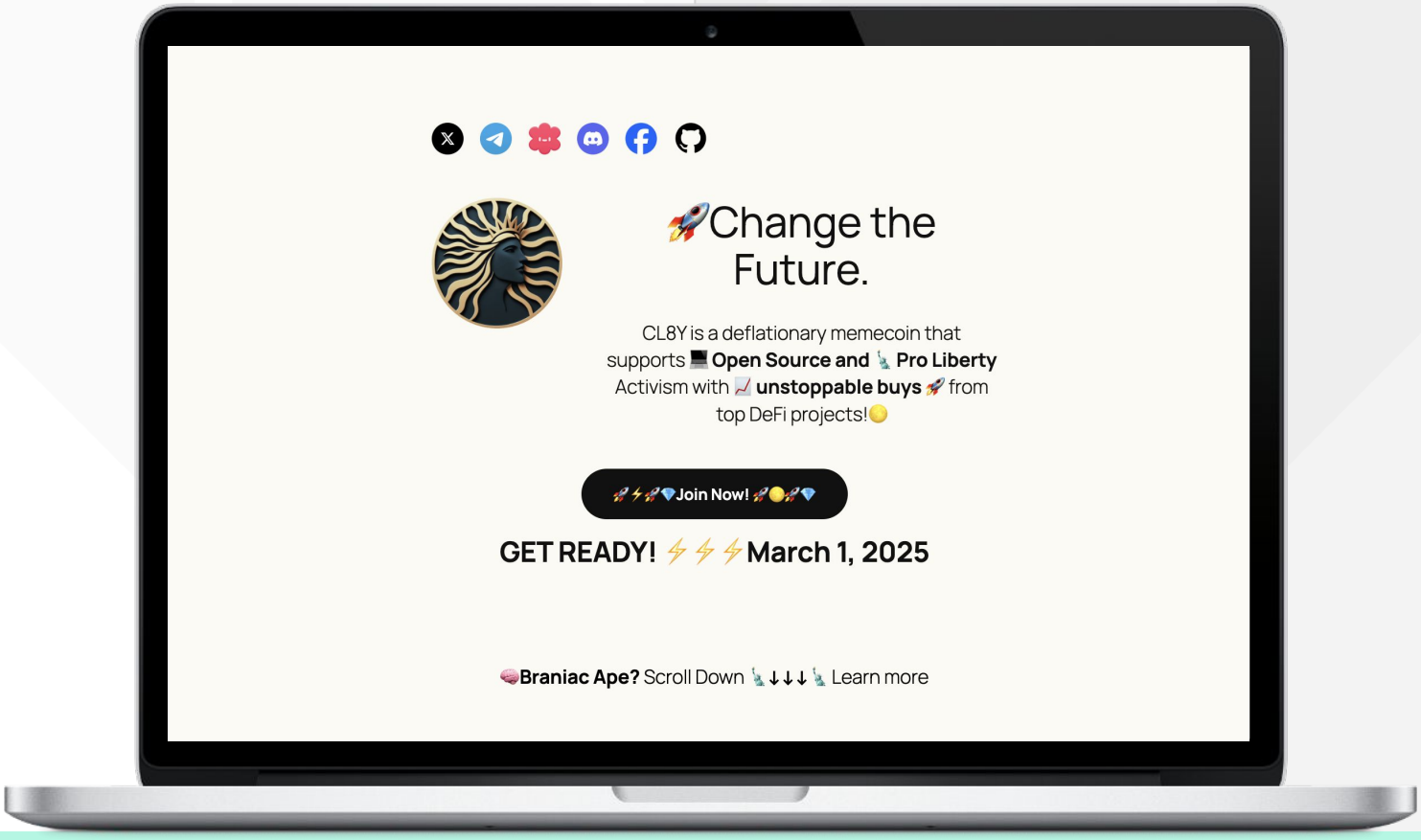
Design
Very nice color scheme and overall layout.

Content
The information helps new investors understand what the product does right away. No grammar errors found. .

Whitepaper
No

Roadmap
Yes

Mobile-friendly?
Yes



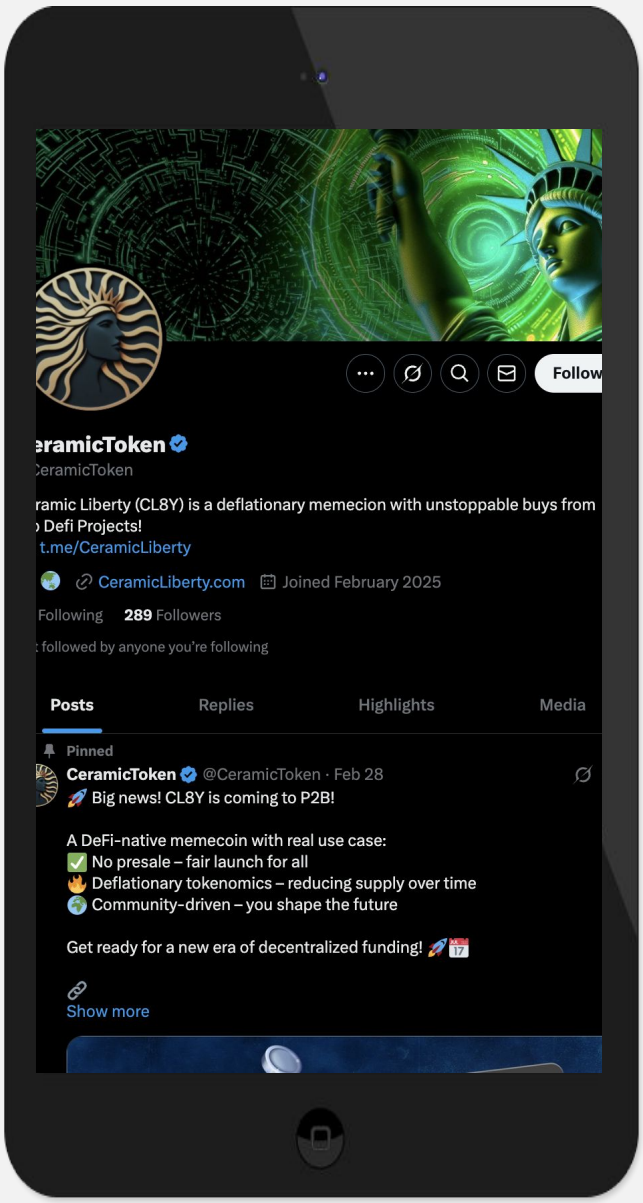
ceramicliberty.com

SOCIAL MEDIA

& ONLINE PRESENCE

ANALYSIS

The project's social media pages are active with daily posts.



Twitter's X

@ceramictoken

- 289 Followers
- Responds to comments
- Daily posts

Discord

invite/MMzuVzc7YQ

- 9 members

Telegram

@ceramicliberty

- 270 members
- Active mods and devs
- Daily announcements

Medium

- Not available

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.
While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.