SPYWOLF

Security Audit Report

KREA8TE

Audit prepared for

KREA8TE

Completed on

August 28, 2024

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 –

"

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KREA8TE

KREA8TE
by Sastanaqqam
An infrastructure for **ART**

PROJECT DESCRIPTION:

At Krea8te, we're reimagining the art world with the help of Polygon's advanced blockchain technology.
Our platform is designed to make the art market more accessible, liquid, and vibrant.
By using Layer 2 scalability and DeFi protocols, we've built a system that brings fresh energy and liquidity into the art industry.

Release Date: September, 2024

Launchpad: NO|_LAUNCHPAD

Category: Art tokenization

01

KEY RESULTS

Cannot mint new tokens	*
Cannot pause trading (honeypot)	PASSED
Cannot blacklist an address	PASSED
Cannot raise taxes over 25%?	PASSED
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.

N/A = Not applicable for this type of contract

*Tokens can be minted until total supply reach 5,000,000,000

CONTRACT INFO

Token Name
KREA8TE

Symbol
$KR8

Contract Address
0xE07557c5F8CAE1ec60D6f863614D06EB2139f389

Network
MATIC

Language
Solidity

Deployment Date
Aug 13, 2024

Contract Type
Standard

Total Supply
Not minted yet

Decimals
18

TAXES

Buy Tax
0%

Sell Tax
0%

*Taxes cannot be changed

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

02

SMART CONTRACT STATS

Calls Count	2
External calls	2
Internal calls	0
Transactions count	2
Last transaction time	Aug-13-2024 12:47:47 PM UTC
Deployment Date	Aug-13-2024 12:18:37 PM UTC
Create TX	0x0f2fb7e7ae6ccf4c70f7e14ac30331c26 c2dd31cd4f25192cd8a26b8ada85637
Owner	0xdC67dB480cCc88d51b6Fe2FA09814E3 ABF09b527
Deployer	0x362CE874dEe9330CDd52da7baF2Be1 F038db0B88

TOKEN TRANSFERS STATS

Transfer Count	0
Total Amount	0 $KR8
Median Transfer Amount	0 $KR8
Average Transfer Amount	0 $KR8
First transfer date	unavailable
Last transfer date	unavailable
Days token transferred	0 Days

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FEATURED WALLETS

Owner address	0xdC67dB480cCc88d51b6Fe2FA09814E3ABF09b527
Marketing fee receiver	unavailable
LP address	unavailable

TOP 3 UNLOCKED WALLETS

unavailable	Tokens are not minted yet
unavailable	
unavailable	

04

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

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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

05-B

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.

Code Score: 90%

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FOUND THREATS

⚠️ High Risk: 0

No high risk-level threats found in this contract.

⚠️ Medium Risk: 0

No medium risk-level threats found in this contract.

⚠️ Low Risk: 1

No low risk-level threats found in this contract.

FOUND THREATS

⚠️ Low Risk

Vesting contract can mint new tokens up to 5,000,000,000 $KR8.
Total supply cannot exceed 5,000,000,000 $KR8 tokens.
Current total supply is 0.

```solidity
uint256 public immutable maxSupply = 5_000_000_000 ether;
function mint(address walletAddress, uint256 amount) external {
    require(
        vestingContract == msg.sender,
        "KREA8TE: Only Vesting Contract can do this action!"
    );
    // Ensure that the total supply does not exceed the maximum supply
    require(
        totalSupply() + amount <= maxSupply,
        "KREA8TE: SUPPLY_OVERFLOW!"
    );
    _mint(walletAddress, amount);
}
```

- Recommendation:
  - Considered as good practice is total token supply to be minted once, usually during token's deployment.

FOUND THREATS

ℹ️ Informational: 1

Owner can set vesting contract address.
Once vesting contract is set, it cannot be changed.

```solidity
bool public initialized;
function setVestingcontract(address newVestingContract) external onlyOwner {
    require(newVestingContract != address(0), "KREA8TE: Invalid Address!");

    // Ensure that the vesting contract address is set only once
    require(!initialized, "KREA8TE: Vesting Contract Already Initialized!");

    vestingContract = newVestingContract;

    initialized = true;

    emit SetVestingcontract(owner, vestingContract);
}
```

08-C

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

Tokenomics:

Treasury - 20%,

Incentives - 20%,

Reserve funds - 10%,

Team - 15%,

Partners - 10%,

Advisors - 5%,

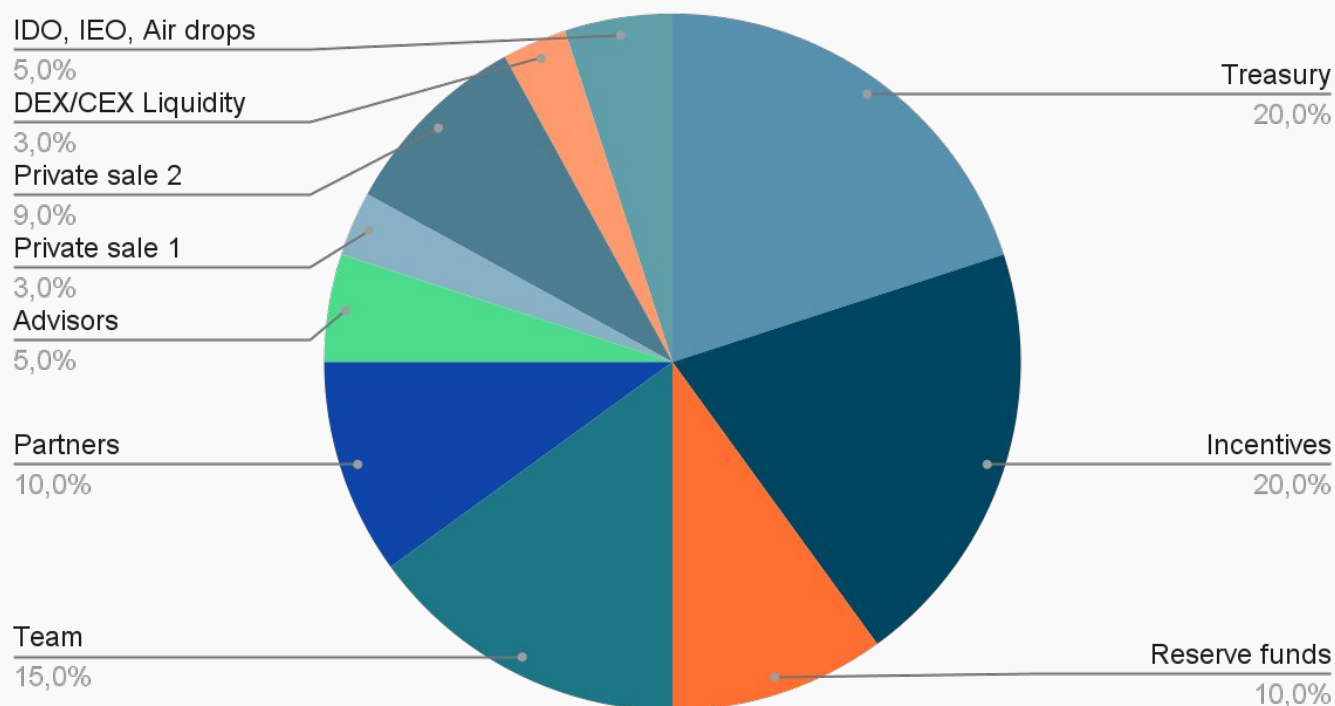Private sale 1 - 3%,

Private sale 2 - 9%,

DEX/CEX Liquidity - 3%,

IDO, IEO, Air drops - 5%,

*Token's initial total supply is not minted yet.

Token Distribution

Tokens distribution

Category	Percentage
IDO, IEO, Air drops	5,0%
DEX/CEX Liquidity	3,0%
Private sale 2	9,0%
Private sale 1	3,0%
Advisors	5,0%
Partners	10,0%
Team	15,0%
Treasury	20,0%
Incentives	20,0%
Reserve funds	10,0%

Website URL:
https://www.krea8te.io/

Domain Registry
https://www.namecheap.com

Domain Expiration
2025-08-11

Technical SEO Test
Passed

Security Test
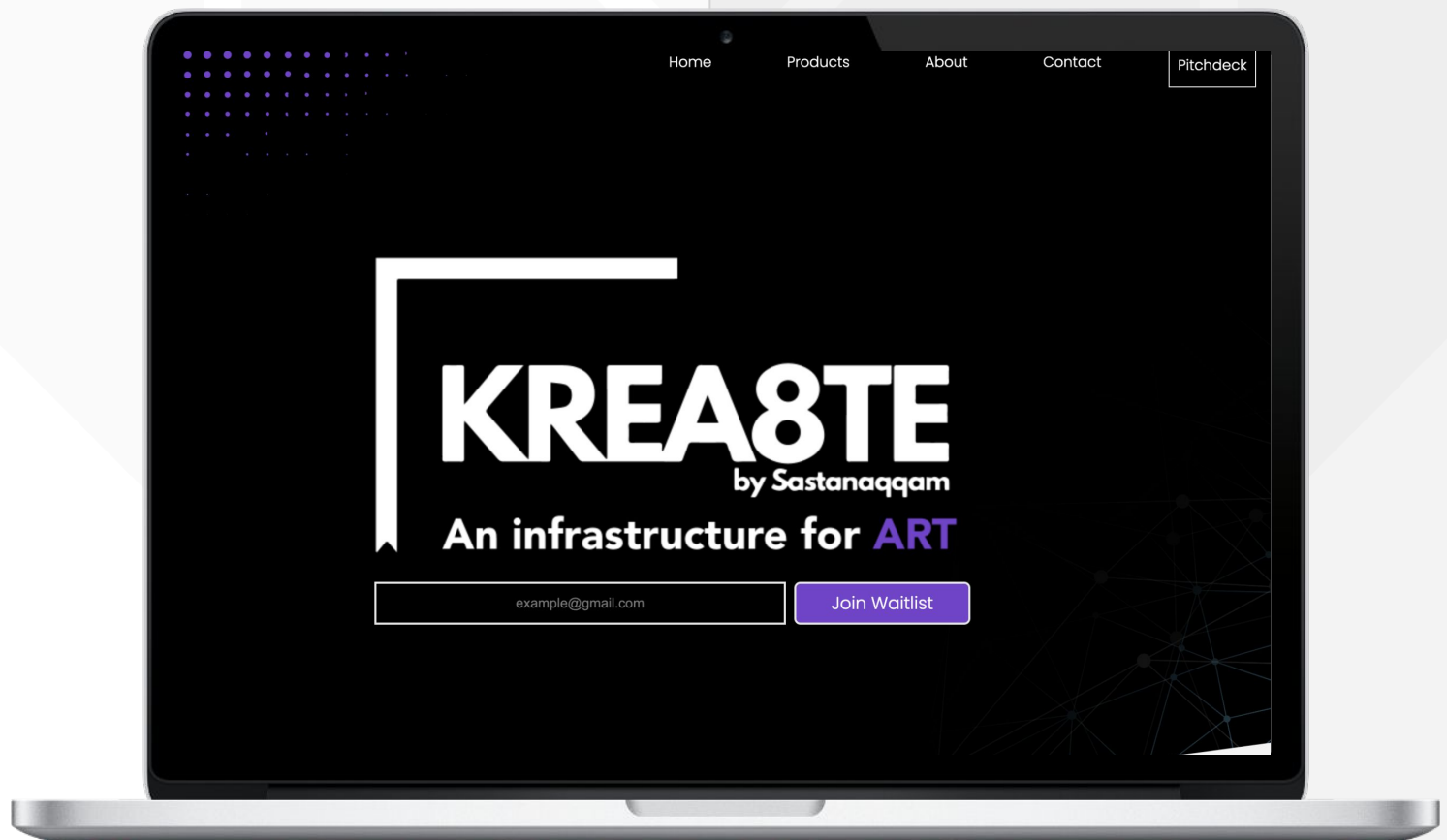Passed. SSL certificate present

Design
Very nice color scheme and overall layout.

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

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set with time frames.
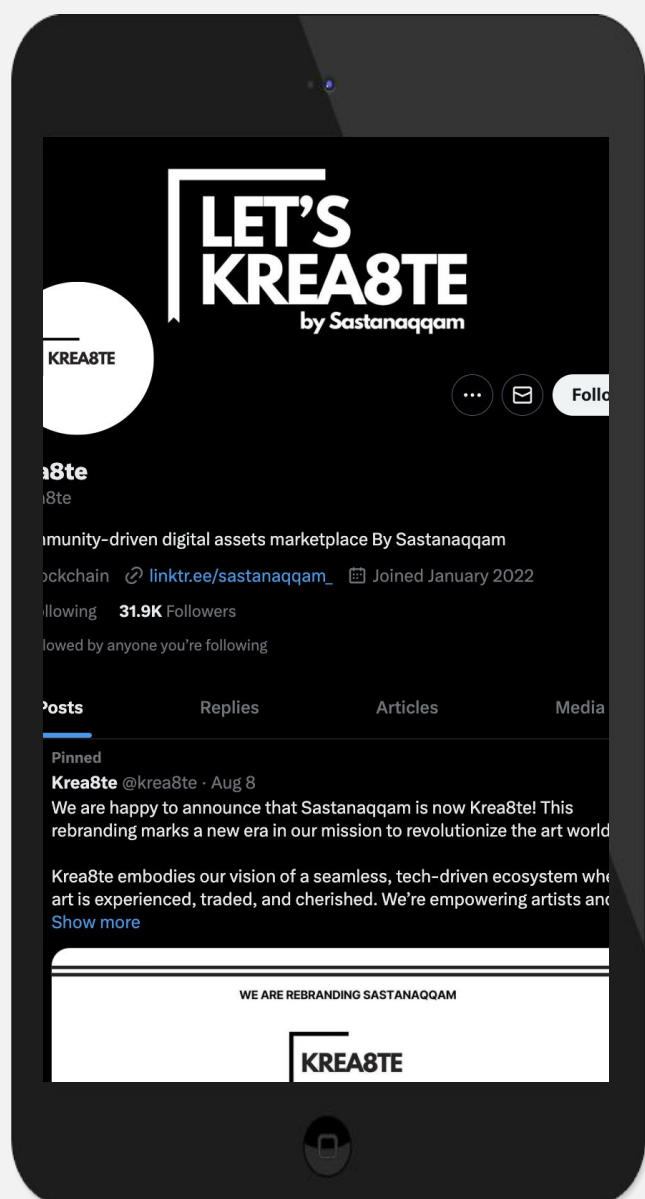
Mobile-friendly?
Yes

Website Score: 100%

SOCIAL MEDIA

Social Score: 100%

ANALYSIS
Project's social media
pages are active

Twitter:

@krea8te

- 31 900 followers
- Active

Discord

https://discord.com/invite
/gvwDjVbQWB

- 7 825 members
- Active members
- Active mods

Telegram:

@krea8te_announcement

- 82 835 subscribers
- Posts frequently
- Active

Medium

unavailable

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SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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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.