# SPYWOLF

## Security Audit Report


Audit prepared for

**MAGA**

Completed on

**May 22, 2024**

# KEY RESULTS

| | |
|---|---|
| Cannot mint new tokens | Passed |
| 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

*Only new deposits/reinvestments can be paused

# 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

# MAGA


## PROJECT DESCRIPTION

Welcome to the world of MAGA, the ultimate meme coin that's here to put a hat on it all!
In the vast wilderness of crypto, MAGA stands tall as the first and only coin dedicated to the most stylish accessory known to mankind: the hat. Whether it's a top hat, a baseball cap, or a wizard's pointy hat, MAGA is all about crowning every transaction with a touch of elegance and a dash of whimsy.

**Release Date:** Launched May 16th, 2024

**Category:** Meme token

# CONTRACT INFO

Token Name
MAGA

Symbol
MAGA

Contract Address
0xD29DA236dd4AAc627346e1bBa06A619E8c22d7C5

Network
Ethereum

Language
Solidity

Deployment Date
May 16, 2024

Contract Type
Token with taxes

Total Supply
420,690,000,000

Status
Launched

# TAXES

Buy Tax
**none**

Sell Tax
**none**

*Taxes cannot be chagned

# 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

# TOKEN TRANSFERS STATS

| | |
|---|---|
| **Transfer Count** | 98702 |
| **Uniq Senders** | 5807 |
| **Uniq Receivers** | 10145 |
| **Total Amount** | 9051114541700.756 MAGA |
| **Median Transfer Amount** | 7377423.425673293 MAGA |
| **Average Transfer Amount** | 91701429.97812362 MAGA |
| **First transfer date** | 2024-05-16 |
| **Last transfer date** | 2024-05-22 |
| **Days token transferred** | 7 |

# SMART CONTRACT STATS

| | |
|---|---|
| **Calls Count** | 250812 |
| **External calls** | 8499 |
| **Internal calls** | 242313 |
| **Transactions count** | 58589 |
| **Uniq Callers** | 6253 |
| **Days contract called** | 7 |
| **Last transaction time** | 2024-05-22 16:24:47 UTC |
| **Created** | 2024-05-16 14:05:47 UTC |
| **Create TX** | 0x4ab14b61dba8e8cf9ba9531a2b2380efb05624266a026629202e67a7e40ce457 |
| **Creator** | 0x5d5a00280e5f770f0aa1d0831294fe058b533940 |

# FEATURED WALLETS

| | |
|---|---|
| **Owner address** | 0x0000000000000000000000000000000000000000<br>Ownership is renounced |
| **Marketing fee receiver** | 0x5D5A00280E5f770f0aa1D0831294fE058b533940 |
| **LP address** | **Uniswap V2:**<br>0x0c3fdf9c70835f9be9db9585ecb6a1ee3f20a6c7<br><br>**95.26% of total liquidity supply is burnt**<br><br>**4.43% owned by:**<br>0xdF893916e13C2349b5b34DA1cb716f04Fa4170C4<br><br>**Uniswap V3:**<br>**100% owned by:**<br>0xA2e8bfca14772995262AABa8B719599D7B7B05e3 |

# TOP 3 UNLOCKED WALLETS

| | |
|---|---|
| **1.69%** | 0x803C21672a2D3C512Bda8C0337Dff9A850dD669d |
| **1.53%** | 0x22fD60582CA286295a507085a836204fa214a564 |
| **1.51%** | 0x0FCA229aDA1669229838bEd0DDFaDB7DeB8606BF |

# 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

## ⚠ High Risk

No high risk-level threats found in this contract.

## ⚠ Medium Risk

No medium risk-level threats found in this contract.

## ⚠ Low Risk

No low risk-level threats found in this contract.

Contract’s ownership is renounced.
Contract’s owner do not have access to functionalities reserved only for the owner.

# FOUND THREATS

## Informational

Contract's deployer can withdraw any tokens except ETH from the contract. When this function is present, in cases tokens are sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
address payable private _taxWallet;
constructor () {
    _taxWallet = payable(_msgSender());
...........
}

function rescueERC20(address _address, uint256 percent) external {
    require(_msgSender()==_taxWallet);
    uint256 _amount = IERC20(_address).balanceOf(address(this)).mul(percent).div(100);
    IERC20(_address).transfer(_taxWallet, _amount);
}
```

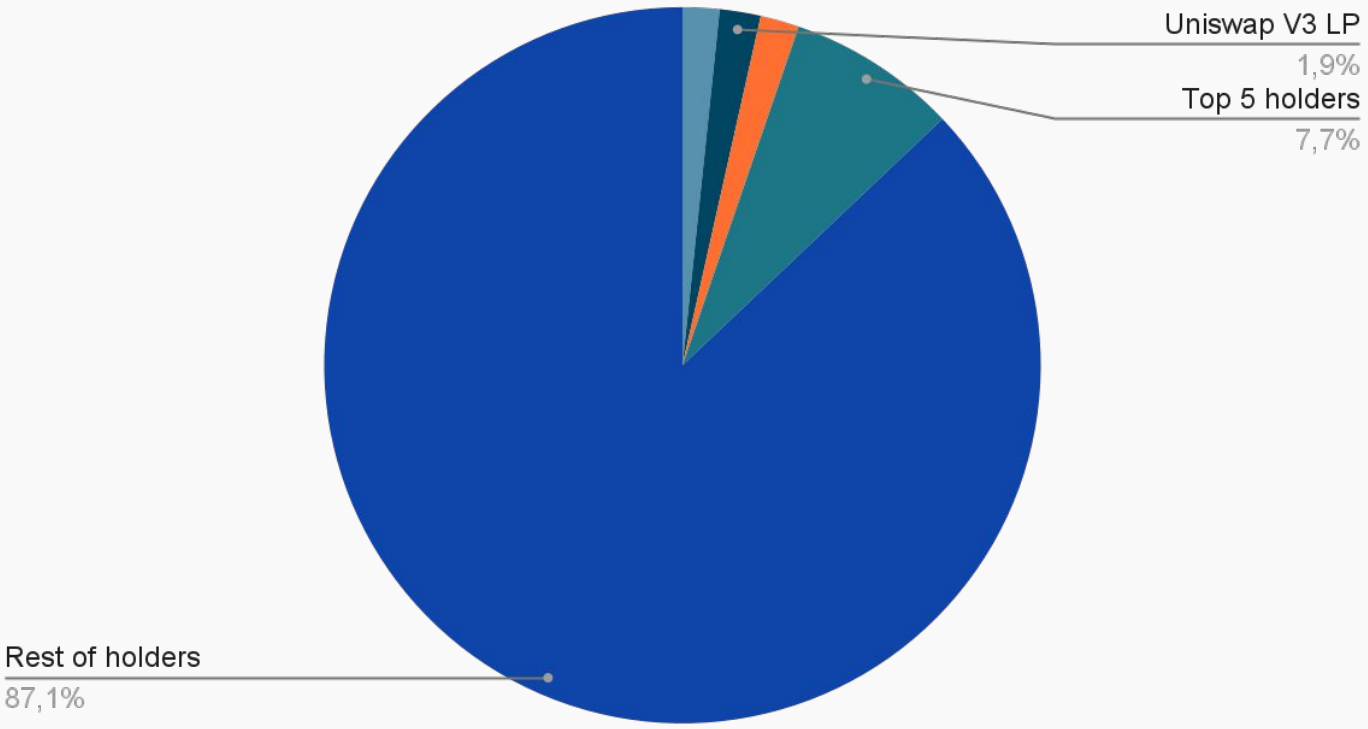
Contract's deployer can initiate manual swap to swap tokens held by the contract.

```
function manualSwap() external {
    require(_msgSender()==_taxWallet);
    uint256 tokenBalance=balanceOf(address(this));
    if(tokenBalance>0 && swapEnabled){
      swapTokensForEth(tokenBalance);
    }
    uint256 ethBalance=address(this).balance;
    if(ethBalance>0){
      sendETHToFee(ethBalance);
    }
}
```

## Current tokens distribution on time of this audit based on Etherscan:

- 1.66% - Uniswap V2 LP
- 1.85% - Uniswap V3 LP
- 1.75% - Burnt
- 7.66% - Top 5 holders
- 87.08% - Rest of holders

Tokens distribution




TOKENOMICS

WEBSITE

## Website URL
https://maga-hat.vip/

## Domain Registry
https://www.namecheap.com

## Domain Expiration
2025-05-16

## Technical SEO Test
Passed

## Security Test
Passed. SSL certificate present

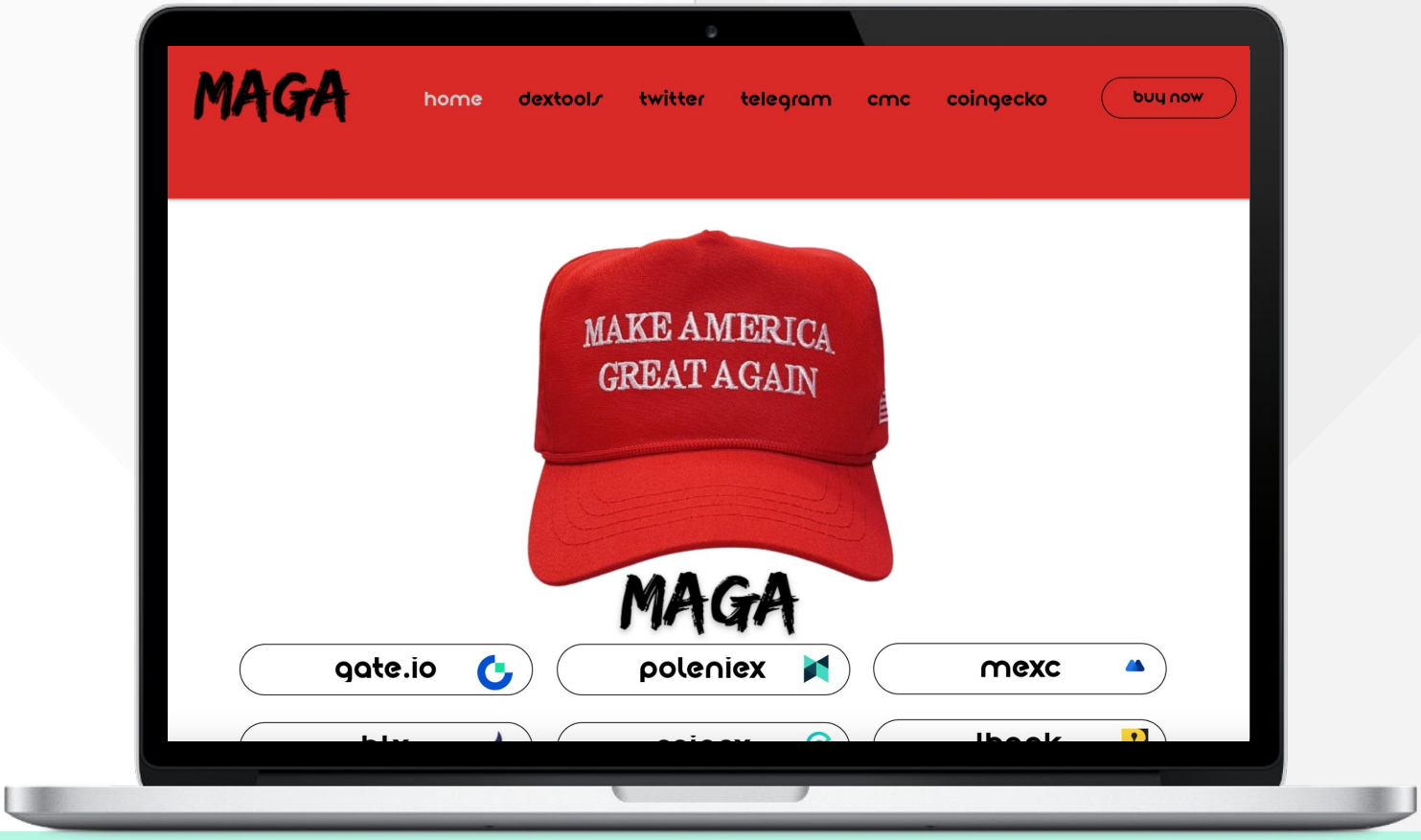
## Design
Single page design with appropriate color scheme and graphics.

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

## Whitepaper
No

## Roadmap
No

## Mobile-friendly?
Yes



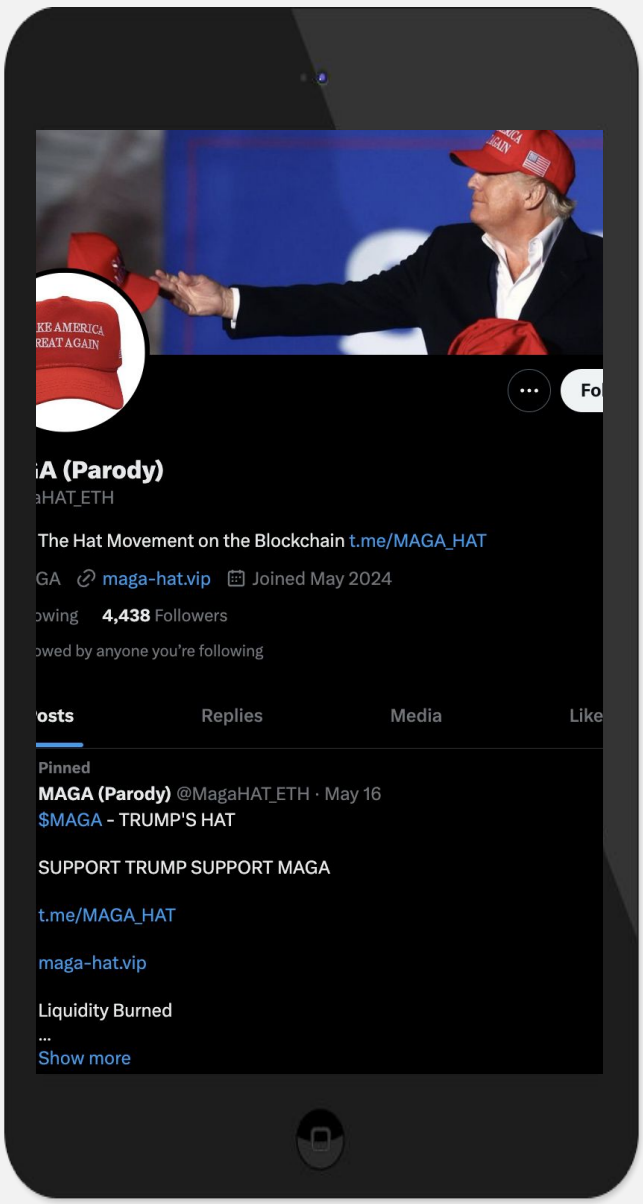

# maga-hat.vip

# SOCIAL MEDIA

## & ONLINE PRESENCE

**ANALYSIS**

**Project's social media pages are active.**




### Twitter's X

@MagaHAT_ETH

- 4 178 followers
- Very active
- Posts frequently

### Discord

- Not available

### Telegram

@MAGA_HAT

- 5 915 members
- Active members
- Active mods

### Medium

- Not available

# 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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To hire us, reach out to
contact@spywolf.co or
t.me/joe_SpyWolf

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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.