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# SMART CONTRACT SECURITY AUDIT REPORT

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# Audit Details



Audited project

**Drupay**



Deployer address

**0x904b86cc773d696b20130a7496b5d41361d0548f**



Client contacts:

**Drupay Team**



Blockchain

**Binance Smart Chain**



Project website:

**<https://drupay.online>**

# Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the 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 below disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

# Background

AstrobiaTech was commissioned by DruPay to perform an audit of smart contracts:

<https://bscscan.com/address/0x452c72d38896d53c012c326b5156b01128f3f08e>

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.



# Contract Details

Token Details as on 06/07/2022

Contract Name	DruPay
Contract Address	0x452c72d38896D53C012C326b5156b01128f3f08E
Total Supply	1,000,000,000,000,000
Token Symbol / Ticker	DPA
Decimals	18
Token Holders	9
Transaction Count	37
Tax Fee	1
Burn Fee	1
Total Fees	10001085743637.942584504316832737 DPA
Contract Deployer Address	0x904b86cc773d696b20130a7496b5d41361d0548f
Contract's Current Owner address	0x16411be3b63934ad29370af2002dbec3bf39b5ed

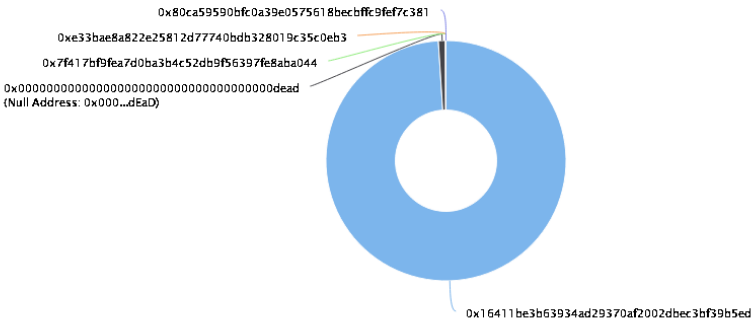
# DruPay Token Distribution

The top 100 holders collectively own 100.00% (999,999,999,858,788.00 Tokens) of DruPay

Token Total Supply: 1,000,000,000,000,000.00 Token | Total Token Holders: 9

DruPay Top 100 Token Holders

Source: BscScan.com



## DruPay Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	<a href="#">0x16411be3b63934ad29370af2002dbec3bf39b5ed</a>	989,889,539,612,823.937052145156771686	98.9890%
2	<a href="#">Null Address: 0x000...dEaD</a>	10,101,106,712,764.924858118363254353	1.0101%
3	<a href="#">0x7f417bf9fea7d0ba3b4c52db9f56397fe8aba044</a>	8,271,201,588.28709471897618581	0.0008%
4	<a href="#">0xe33bae8a822e25812d77740bdb328019c35c0eb3</a>	1,038,800,011.011280116719569237	0.0001%
5	<a href="#">0x80ca59590bfc0a39e0575618becbffc9fef7c381</a>	19,600,000.003920000000784	0.0000%
6	<a href="#">PancakeSwap V2: DPA 5</a>	14,112,000.002032128000292626	0.0000%
7	<a href="#">0xcdf878c283dae2f4724e6f1014c7293e2efed7de</a>	9,800,000.000980000000098	0.0000%
8	<a href="#">0x5a3b525856f13bfb2347070dc6936209be2c8c8d</a>	9,800.000000000098	0.0000%
9	<a href="#">0x92f74631290f97e6d804ebdb62ac24828fc2dc80</a>	9,800.000000000098	0.0000%

# Contract Functions

## + IERC20

- totalSupply
- balanceOf
- transfer
- allowance
- approve #
- transferFrom #

## + Ownable (Context)

- owner
- renounceOwnership
- transferOwnership #
- modifiers: onlyOwner
- geUnlockTime
- lock
- unlock

## + DruPay

- allowance
- balanceOf
- burnAdd
- decimals
- geUnlockTime
- isExcluded
- name
- owner
- reflectionFromToken
- symbol
- tokenFromReflection
- totalFees
- totalSupply
- \_burnFee\_
- getBurnFee





- `_getMaxTxAmount`
- `_getTaxFee`
- `_taxFee`
- `approve`
- `decreaseAllowance`
- `deliver`
- `excludeAccount`
- `includeAccount`
- `increaseAllowance`
- `lock`
- `renounceOwnershiptransfer`
- `transferFrom`
- `transferOwnership`
- `unlock`
- `_setBurnFee`
- `setTaxFee`





# Issues Checking Status

Issue description	Checking status
1. Compiler errors.	Passed
2. Race conditions and Reentrancy. Cross-function race conditions.	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design Logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage.	Passed
21. Fallback function security.	Passed

# Security Issues

## ☒ High Severity Issues

- No high severity issues found.

## ☒ Medium Severity Issues

- No medium severity issues found.

## ☒ Low Severity Issues

- No low severity issues found.



## **Owner privileges (In the period when the owner is not renounced)**

- Owner can include and exclude account.
- Owner can set tax and burn fees.
- Owner can lock and unlock.
- Owner can renounce and transfer ownership .



# Conclusion

**Smart Contract do not contain any issues !**

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## **AstrobiaTech Note:**

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.

