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SMART CONTRACT SECURITY AUDIT

December 7th, 2021

**Professional Auditing Agency**

Website <https://gordian.agency/>



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## AUDIT DETAILS

Project

**Bomb Money**

Deployer Address

**0x0DCC098Fa701906a49c3196B1FD2464F4802F4E2**

Client Contacts

**@BombMoneyBSC**

**<https://t.me/bombmoneybsc>**

Blockchain

**Binance Smart Chain**

Project Website

**<https://app.bomb.money/>**





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## BACKGROUND

**Gordian Agency was commissioned by Bomb Money to perform an audit of smart contracts:**

- BBond
- BShare
- Boardroom
- Bomb
- BombGenesisRewardPool
- BombRewardPool
- BShareRewardPool
- Distributor
- DummyToken
- Oracle
- SimpleERCFund
- TaxOffice
- TaxOfficeV2
- TaxOracle
- Timelock
- Treasury
- Zap

**The purpose of this audit was to achieve the following:**

- Ensure that the token contract functions as intended
- Identify potential security issues with the token contracts
- Provide a code peer review

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





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## CONTRACT DETAILS

### Bomb Money Smart Contract Details

Bomb money is a full fork of Tomb finance project on Fantom network. Tomb finance is a highly successful project, with TVL in hundreds of millions USD, trusted by many users. The key difference is the pegging mechanism - unlike Tomb finance, bomb money is pegged to BTC and not FTM. The contracts have modified names. Other amendments were to do with a different commission structure and a different pegging mechanism that required a different degree of precision in token price estimations.

# THREAT ASSESSMENT



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## EXTERNAL THREAT RESULTS

Vulnerability Category	Notes	Result
Arbitrary Storage Write	N/A	PASS
Arbitrary Jump	N/A	PASS
Delegate Call to Untrusted Contract	N/A	PASS
Dependence on Predictable Variables	N/A	PASS
Deprecated Opcodes	N/A	PASS
Ether Thief	N/A	PASS
Exceptions	N/A	PASS
External Calls	N/A	PASS
Integer Over/Underflow	N/A	PASS
Multiple Sends	N/A	PASS
Suicide	N/A	PASS
State Change External Calls	N/A	PASS
Unchecked Retval	N/A	PASS
User Supplied Assertion	N/A	PASS
Critical Solidity Compiler	N/A	PASS
Overall Contract Safety	N/A	PASS



## PEER REVIEW

### Bomb Money optimization suggestions

#### For all contracts

non-view external and public methods should return boolean execution status to improve interaction between the contracts

#### BShare.sol

*communityFundRewardRate* - should be a public constant, because it calculates inside the **constructor** using only public constants

*devFundRewardRate* - should be a public constant, because it calculates inside the **constructor** using only public constants

#### Treasury.sol

*bombPriceOne* - should be a public constant, because it's hardcoded in the **initialize** function

*bombPriceCeiling* - should be a public constant, because it's calculated using *bombPriceOne* and hardcoded values in the **initialize** function



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## CONCLUSION

The audited contract contains no issues and is safe to deploy.

### NOTES:

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





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## 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.