



Aborean Finance DEX

Security Review



Disclaimer **Security Review**

Aborean Finance DEX



Disclaimer

The ensuing audit offers no assertions or assurances about the code's security. It cannot be deemed an adequate judgment of the contract's correctness on its own. The authors of this audit present it solely as an informational exercise, reporting the thorough research involved in the secure development of the intended contracts, and make no material claims or guarantees regarding the contract's post-deployment operation. The authors of this report disclaim all liability for all kinds of potential consequences of the contract's deployment or use. Due to the possibility of human error occurring during the code's manual review process, we advise the client team to commission several independent audits in addition to a public bug bounty program.

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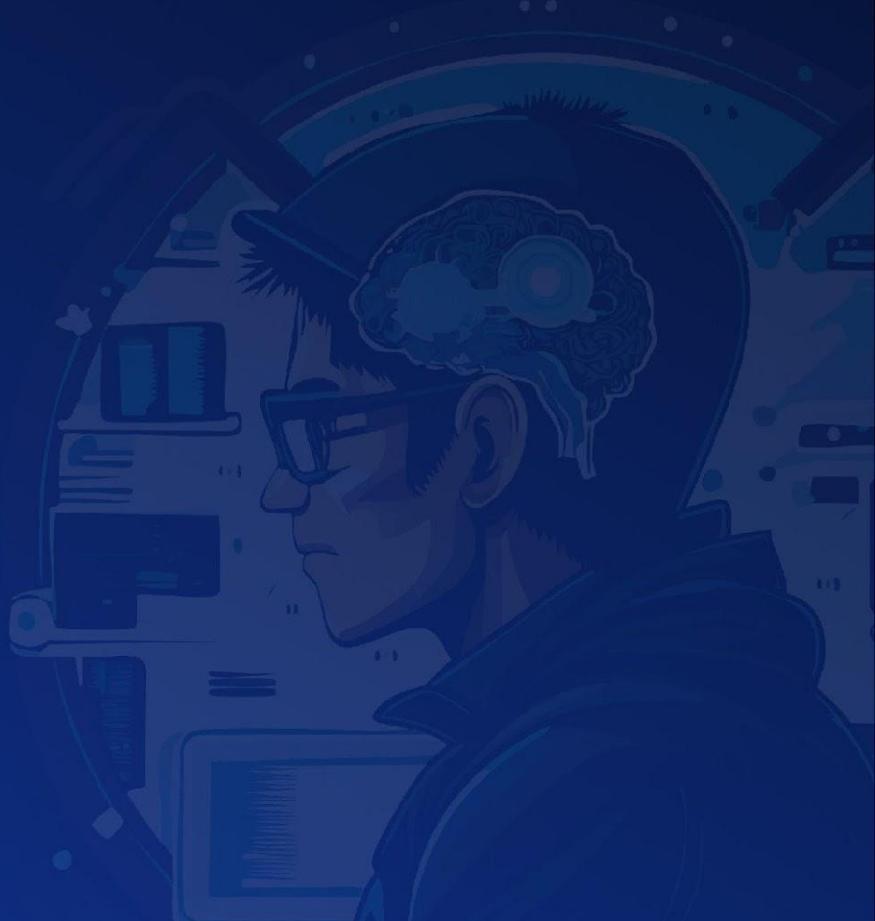


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Summary Security Review

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Summary

Three Sigma audited Aborean Finance in a 0.4 person week engagement. The audit was conducted on 19/09/2025.

Protocol Description

Aborean Finance is a Velodrome fork that combines ve(3,3) tokenomics with both Uniswap v2-style and concentrated-liquidity (Uniswap v3-style) AMMs. It features integrated gauges, emissions, on-chain governance, and meta-transaction support for a full-stack DeFi ecosystem.

Scope **Security Review**

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Scope

Scope

<https://github.com/Aborean-Finance/contracts/tree/main/core>

Diff-check against

<https://github.com/aerodrome-finance/contracts/commit/a5fae2e87e490d6b10f133e28cc11bcc58c5346a>

Methodology Security Review

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Methodology

To begin, we reasoned meticulously about the contract's business logic, checking security-critical features to ensure that there were no gaps in the business logic and/or inconsistencies between the aforementioned logic and the implementation. Second, we thoroughly examined the code for known security flaws and attack vectors. Finally, we discussed the most catastrophic situations with the team and reasoned backwards to ensure they are not reachable in any unintentional form.

Taxonomy

In this audit, we classify findings based on Immunefi's [Vulnerability Severity Classification System \(v2.3\)](#) as a guideline. The final classification considers both the potential impact of an issue, as defined in the referenced system, and its likelihood of being exploited. The following table summarizes the general expected classification according to impact and likelihood; however, each issue will be evaluated on a case-by-case basis and may not strictly follow it.

Impact / Likelihood	LOW	MEDIUM	HIGH
NONE	None		
LOW	Low		
MEDIUM	Low	Medium	Medium
HIGH	Medium	High	High
CRITICAL	High	Critical	Critical

Project Dashboard **Security Review**

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Project Dashboard

Application Summary

Name	Aborean Finance
Repository	https://github.com/Aborean-Finance/contracts
Commit	c4ef2c262d2de81694ed956d414404bfc2f00f5f
Language	Solidity
Platform	EVM

Engagement Summary

Timeline	19/09/2025
Nº of Auditors	2
Review Time	0.4 person weeks

Vulnerability Summary

Issue Classification	Found	Addressed	Acknowledged
Critical	0	0	0
High	0	0	0
Medium	0	0	0
Low	0	0	0
None	2	2	0

Category Breakdown

Suggestion	2
Documentation	0
Bug	0
Optimization	0
Good Code Practices	0

Risk Section **Security Review**

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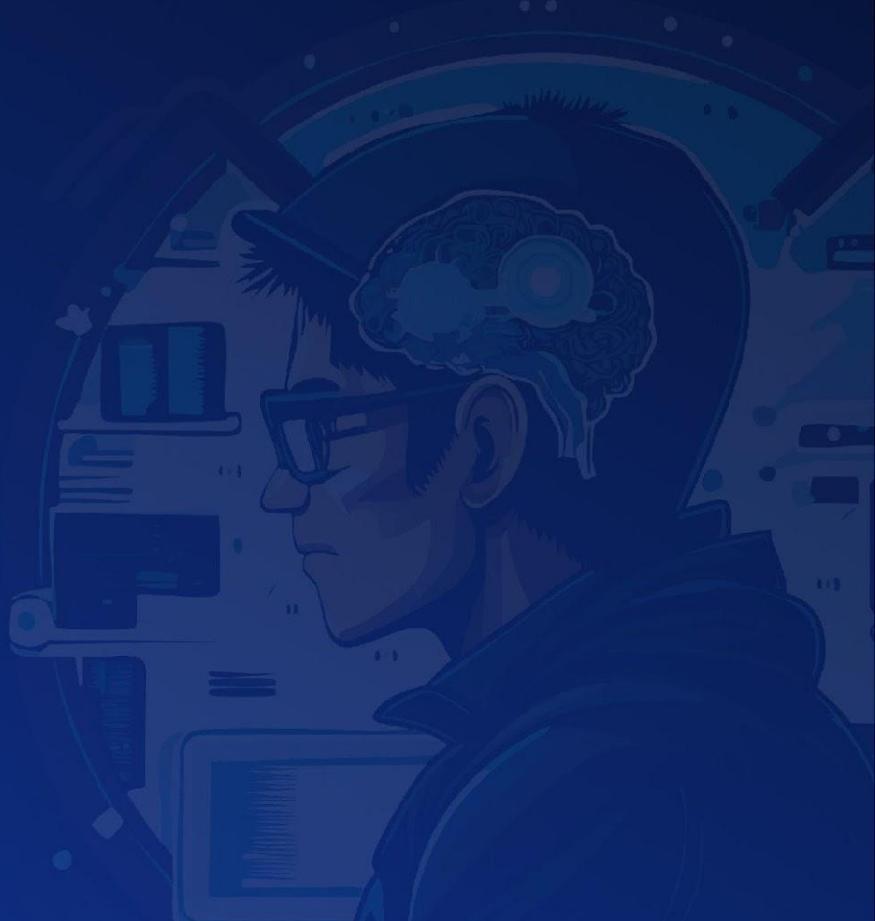


Risk Section

No risks were identified.

Findings Security Review

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Findings

3S-Aborean Finance-N01

Unused Import in **CLGaugeFactory**

Id	3S-Aborean Finance-N01
Classification	None
Category	Suggestion
Status	Addressed in #cdcbd0 .

Description

In the **CLGaugeFactory** contract, there is an import of OpenZeppelin's **Clones.sol** which is unnecessary, as this functionality is no longer used.

<https://github.com/Aborean-Finance/contracts/blob/c4ef2c262d2de81694ed956d414404bfc2f00f5f/slipstream/gauge/CLGaugeFactory.sol#L7>

Recommendation

Remove this import.

3S-Aborean Finance-N02

Inconsistent naming in **IMinter.sol** and **NFTDescriptor.sol**

Id	3S-Aborean Finance-N02
Classification	None
Category	Suggestion
Status	Addressed in #cdcbd0 .

Description

In the contracts **IMinter.sol** and **NFTDescriptor.sol**, there are still occurrences of the names "aero" and "Aerodrome", which are inconsistent with the naming used in the other contracts, taking into account the changes that have been made.

<https://github.com/Aborean-Finance/contracts/blob/c4ef2c262d2de81694ed956d414404bfc2f00f5f/core/interfaces/IMinter.sol#L134-L136>

<https://github.com/Aborean-Finance/contracts/blob/c4ef2c262d2de81694ed956d414404bfc2f00f5f/slipstream/periphery/libraries/NFTDescriptor.sol#L89>

Recommendation

Replace all occurrences of "aero" with "abx" and "Aerodrome" with "Aborean".