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Certificate of Analysis

Product Name	2-Cyanophenylboronic acid 1,3-propanediol cyclic ester
Product Number	AC121069
CAS Number	172732-52-4
Molecular Formula	C ₁₀ H ₁₀ BNO ₂
Molecular Weight	187.0
Lot Number	2023092001F
Lot Net Weight	58.00kg

Item	Specification	Result
Description	Off-white to light brown colour powder	Off-white powder
Identification by IR	Absorption peak around at 2226 ± 2 cm ⁻¹ .Should be observed.	Absorption peak around at 2226 ± 2 cm ⁻¹ is observed.
Water content by KFR	Not more than 1.0%w/w	0.05%
Nitrile impurity	Not more than 0.50%	Conforms
Bromo impurity	Not more than 2.0%	Conforms
Amide impurity	Not more than 1.0%	Conforms
Highest individual unspecified impurity	Not more than 1.0%	0.11%
Total impurities	Not more than 5.0%	0.32%
Area(HPLC)	Not less than 95.0%	99.94%
Production Date		2022-09-14
Retest Date		2024-09-19

Analyst/Date: Mengsha Ren 2023-09-22

Auditor/Date: Mengy Li 2023-09-22