


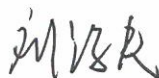
Certificate of Analysis (检测报告)

Product	5-Aminolevulinic acid methyl ester hydrochloride		
CAS No.	79416-27-6	Manu. Date (生产日)	Mar. 3, 2024
Batch No. (批次)	5-ALA-HM240303	Expiry Date (到期日)	Mar. 2, 2025
数量(Quantity)	6.6kg	Test Date (检测日)	Mar. 6, 2023
检验标准(Quality standard)	企业标准(Enterprise standard)		

TEST ITEM	SPECIFICATION	RESULTS
Appearance(性状)	White solid (白色固体)	Corresponding (符合)
Identification (检测方法)	Retention time of HPLC (高效液相)	Corresponding (符合)
	HNMR	Corresponding (符合)
Loss on drying (干燥失重)	$\leq 1.0\%$	0.36%
Melting Point (熔点)	121 °C	Corresponding (符合)
Residue on ignition (灼烧残渣)	$\leq 0.5\%$	Corresponding (符合)
Heavy metals (重金属)	$\leq 20\text{ppm}$	Corresponding (符合)
Iron (铁)	$\leq 20\text{ppm}$	Corresponding (符合)
Assay	$\geq 98.0\%$	99.11%

Conclusion: Conform to the Enterprise Standards.

Analyst: 
 [Signature]

Supervisor: 
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