

CERTIFICATE OF ANALYSIS

Product Name:	5-Aminolevulinic acid hydrochloride		
CAS NO.:	5451-09-2	Standard:	In-house Standard
Batch Number:	NF-20220826	Manuf. Date:	Aug. 26, 2022
Quantity:	50Kg	Expiration Date:	Aug. 25, 2024
Storage Condition:	Preserve in tight containers, keep frozen.		

TEST ITEM	SPECIFICATION	RESULTS
Appearance	White to pale yellow powder	Conforms
Identification	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Conforms
Loss on drying	$\leq 1.0\%$	0.61%
Chloride	Meets the requirements	Conforms
Heavy metals	$\leq 20\text{ppm}$	Conforms
Impurities		
Total impurities	$\leq 5.0\%$	Conforms
Assay(HPLC)	$\geq 95.0\%$	95.95%
Conclusion:	Conforms to the In-house Standard.	

Tested by: Tiantian Wang

Approved by: Yulian Liu

