

**Shaanxi LonierHerb Bio-Technology Co., Ltd.**

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### Certificate of Analysis

#### Product Information

Product Name	5-Aminolevulinic Acid Hydrochloride		
CAS No.	5451-9-2	Report Number	NRL20210338
Batch Number	NRL210323	Manufacture Date	2021/03/23
Batch Quantity	200Kg	Expiry Date	2023/03/22

Test Items	Test Standard	Test Result
Appearance	Almost White Crystalline Powder	Conforms
Assay	≥ 98.0%	98.32%
Identification	IR、HPLC、NMR、Mass	Conforms
Loss on Drying	≤1.0%	0.43%
Residual Solvents	≤0.5%	0.02%
Melting Point	150°C ~ 155°C	Conforms
Total Impurities	≤1.0%	0.51%
Other Single Impurity	≤0.3%	0.07%
Heavy Metal	≤10ppm	Conforms
Bacteria Endotoxins	≤0.4 USP EU/mg	0.2 EU/mg
Total Aerobic Count	≤ 100cfu/g	10cfu/g
E-Coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus Aureus	Negative	Conforms



#### Conclusion

Conclusion	To be complied with in-house Specification
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: 张丽娜

Checker: 李明

Approved:

