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Certificate of Analysis

Product Name: **L-Lysine Monohydrochloride, Feed Grade 98.5%**

Country of Origin: China

Chemical Formula: $C_6H_{14}N_2O_2 \cdot HCl$

CAS Number: 657-27-2

Status: Approved

Molecular Weight: 182.65 g/mol

Batch number: 20210623033B

Manufacture date: June 23, 2021

Expiry date: June 23, 2023

Typical Analysis	Specification	Results of Analysis, Batch Value 20210623033B
Appearance	White or light brown powder	Conforms
L-Lysine Monohydrochloride (dry content)	$\geq 98.50\%$	98.60%
Specific Rotation	$+18.0^\circ \sim +21.5^\circ$	Passed
Loss on Drying	$\leq 1.0\%$	0.35%
Residue on Ignition	$\leq 0.3\%$	Passed
Ammonium Salt (as NH_4)	$\leq 0.04\%$	$< 0.04\%$
pH	5.0~6.0	5.65
Heavy Metals (as Pb)	≤ 10 mg/kg	< 10 mg/kg
Arsenic (As)	≤ 1.0 mg/kg	< 1.0 mg/kg
Salmonella	Negative	Negative

Storage conditions: store in a sealed package, in a dry and cool place.

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SAM Nutrition QA Department