



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **D-Lactose monohydrate**
Specifications & Purity: **98%**
SKU #: **L100101**

Parameter	Limit Values
Ignition Residue (as sulfate)	0-0.03 (%)
Iron(Fe)	0-5 (ppm)
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	54.4-59.9 (°)
Water by Karl Fischer	4-6 (%)
Purity(HPLC)	98-100 (%)
Insoluble matter in H ₂ O	0-0.005 (%)
Heavy metal (as Pb)	0-5 (ppm)
Appearance (L100101)	white powder
Dextrose	Pass
Infrared spectrum	Conforms to Structure