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ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **D-(+)-Mannose**  
Specifications & Purity: Moligand™, for cell culture, ≥99%  
SKU #: **M113093**

Parameter	Limit Values
Purity(HPLC)	99-100 (%)
Specific Rotation $[\alpha]_{25}^D(c=4 \text{ in H}_2\text{O in stand for 24 hours})$	13.5-14.9 (°)
Appearance (M113093)	White to Off-White Powder
Cell Culture Test	pass
Carbon NMR Spectrum	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow,Clear ,50 mg/ml	pass
Proton NMR spectrum	Conforms to Structure