

Certificate of Analysis

Date of Testing: 2025-06-19 10:26:16

Date of Next Testing: 2029-06-18 10:26:16

Product Name: **L-Iditol**

CAS Number: 488-45-9

Specifications & Purity: $\geq 98\%$

Lot #: F2513074

SKU #: **I121079**

Version: **0**

Analysis #: **168679**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	75-79 (°C)	76.30000 °C
Loss on drying	0-4 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-5--2 (°)	-3.40 °
Purity(HPLC)	98-100 (%)	98.27600 %
Appearance (I121079)	White to Almost white powder to crystal	White to Almost white powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless and clear (5% in H ₂ O)	pass	Pass



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QA & QC Manager