

Certificate of Analysis

Date of Testing: 2024-11-13 18:24:45

Date of Next Testing: 2028-11-12 18:24:45

Product Name: **L-Iditol**

CAS Number: 488-45-9

Specifications & Purity: $\geq 98\%$

Lot #: K2408453

SKU #: **I121079**

Version: **0**

Analysis #: **339791**

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

Parameter	Limit Values	Result
Melting point	75-79 (°C)	76.80000 °C
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-5--2 (°)	-2.40 °
Loss on drying	0-4 (%)	1.25 %
Purity(HPLC)	98-100 (%)	99.99000 %
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