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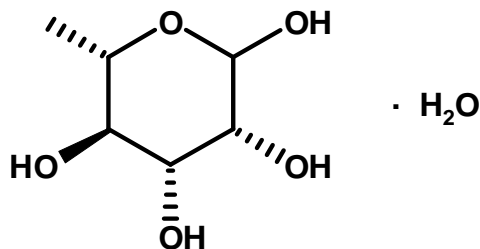
Product Specifications

L-Rhamnose Monohydrate (Refined)

CAS 10030-85-0

Syn: 6-Deoxy-L-mannose; L(+)-Rhamnopyranose

Structure:



Mol. Formula
Source

$\text{C}_6\text{H}_{12}\text{O}_5 \cdot \text{H}_2\text{O}$
Sophora japonica L. (Huaimi)

Mol. Wt.

182.17

<i>Test</i>	<i>Specification</i>
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Identity	IR, TLC
Appearance	White, microcryst. solid
Clarity (10% aq. soln.)	< 10 NTU
Color (APHA)	< 30
Mp	82-92 °C
Purity (hplc)	> 99%
Sp. Rot., $[\alpha]_D$	+8.7 ° to +9.2° (undergoes mutarotation in H_2O)
Moisture (K-F)	9-11%
Ash (residue on ignition)	< 0.1%
Heavy metals	< 10 ppm
Residual Solvent (EtOH)	< 300 ppm

Microbiological Specifications

Total Aerobic count	≤ 100 (CFU/g)
<i>Gram negative bacteria</i>	Negative
<i>Candida albicans</i>	Negative
<i>Staphylococcus aureus</i>	Negative
Mold plate count	≤ 100 (CFU/g)
Yeast plate count	≤ 100 (CFU/g)

Storage: Maintain in cool, dry, dark containment.