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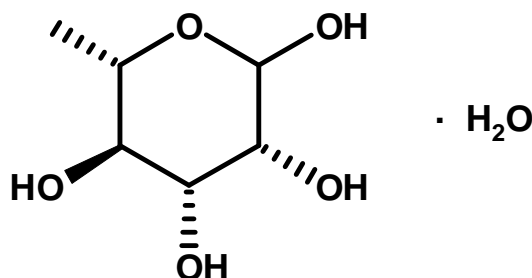
## Product Specifications

### **L-Rhamnose Monohydrate**

**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

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*Test*

*Specification*

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<b>Identity</b>	IR, TLC
<b>Appearance</b>	White, microcryst. solid
<b>Particle size</b>	100% pass through 20 mesh
<b>Mp</b>	82-92 °C
<b>Purity (hplc)</b>	> 98%
<b>Sp. Rot., <math>[\alpha]_D</math></b>	+8.7 ° to +9.2° (undergoes mutarotation in $\text{H}_2\text{O}$ )
<b>Moisture (K-F)</b>	9-11%
<b>Ash (residue on ignition)</b>	< 0.1%
<b>Heavy metals</b>	< 10 ppm

**Microbiological Specifications**

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

**Storage:** Maintain in cool, dry, dark containment.