

[Jump to Website](#)

[Request Quote](#)

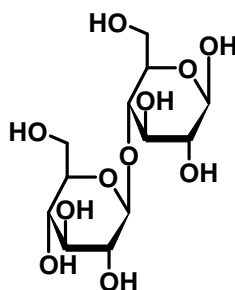
## Product Specifications

### **Cellobiose**

**CAS** 528-50-7

**Syn:** D-(+)-Cellobiose;  $\beta$ -Cellobiose; Cellulose; 4-( $\beta$ -D-Glucosido)-D-glucose

**Structure:**



**Mol. Formula**  
**Source**

$C_{12}H_{22}O_{11}$

**Mol. Wt.**

342.3

*Micro-organism action on plant (cotton)  
cellulose; production process free of any  
animal or animal-derived product.*

<i>Test</i>	<i>Specification</i>
<b>Appearance</b>	White crystalline powder
<b>Mp</b>	225 °C [Lit.]
<b>Assay</b>	≥ 99%
<b>Sp. Rot., <math>[\alpha]_D</math></b>	+14.2° → + 34.6° (15 hr, c = 8; H <sub>2</sub> O) [Lit.] (undergoes mutarotation)
<b>LOD</b>	< 1.0% (crystals retain 0.25 to 0.50 mol water after drying <i>in vacuo.</i> )
<b>Ash (residue on ignition)</b>	< 0.2%
<b>Heavy metals</b>	< 10 ppm

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