

# Product Specification

Name : D(-)-Mannitol

Another name : Mannite, Osmitol

Grade : First Grade

Volume : 500g

Specification number : Ma-005

Issue number : CAK20

Code number : 13000945

HAYASHI PURE CHEMICAL IND.,LTD.

3-2-12 UCHIHIRANOMACHI,CHUO-KU, OSAKA 540-0037, JAPAN

No.	Item	(unit)	Specification	Test Procedure
1	Appearance (Form)	-	Crystals or crystalline powder	Applicable to JIS K8882-2020
2	Appearance (Hue)	-	White	
3	Assay (C <sub>6</sub> H <sub>16</sub> O <sub>6</sub> )	%	min. 98.0	
4	Solubility in water	-	Within almost clear	
5	Melting point	°C	165 ~ 170	
6	Specific rotation [ $\alpha$ ] <sub>20</sub> /d (boric acid complex)	°	+21.0 ~ +25.0	
7	Loss on drying (105°C)	%	max. 1.5	
8	Residue on ignition (sulfate)	%	max. 0.1	
9	Acid (as CH <sub>3</sub> COOH)	%	max. 0.012	
10	Chloride (Cl)	%	max. 0.01	
11	Sulfate (SO <sub>4</sub> )	%	max. 0.01	
12	Heavy metals (as Pb)	%	max. 0.005	
13	Reducing sugar (as mannose)	%	max. 0.1	
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