

Name : D(-)-Mannitol

Another name : Mannite, Osmitrol

Grade : Special Grade

Volume : 500g

Specification number : Ma-005

Issue number : CAK20

Code number : 13000925

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	JIS K8882-2020
2	Appearance (Hue)	-	White	
3	Assay (C ₆ H ₁₆ O ₆)	mass %	min. 99.0	
4	Solubility in water	-	Clear	
5	Melting point	°C	165 ~ 170	
6	Specific rotation [α] ₂₀ /d (boric acid complex)	°	+22.0 ~ +25.0	
7	Loss on drying (105°C)	mass %	max. 0.2	
8	Residue on ignition (sulfate)	mass %	max. 0.05	
9	Acid (as CH ₃ COOH)	mass %	max. 0.006	
10	Chloride (Cl)	mass %	max. 0.003	
11	Sulfate (SO ₄)	mass %	max. 0.005	
12	Heavy metals (as Pb)	mass ppm	max. 5	
13	Iron (Fe)	mass ppm	max. 5	
14	Reducing sugar (as mannose)	mass %	max. 0.05	
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With revision of JIS,etc.a part of the above contents may be updated without prior notification.