

Name : D(+)-Glucose

Another name : Dextrose, Grape sugar, 6-(Hydroxymethyl)oxane-2,3,4,5-tetrol

Grade : Special Grade

Volume : 500g

Specification number : Ha-038

Issue number : CAK19

Code number : 04000515

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 K8824-2020
2	Appearance (Hue)	-	Colorless or white	
3	Assay (C ₆ H ₁₂ O ₆)(GC)	area %	min. 98.0	
4	Solubility in water	-	Clear	
5	Specific rotation [α] _D (after drying)	°	+ 52.5 ~ + 53.3	
6	Loss on drying (105°C)	mass %	max. 0.2	
7	Residue on ignition (sulfate)	mass %	max. 0.03	
8	Acid (as CH ₃ COOH)	mass %	max. 0.003	
9	Chloride (Cl)	mass %	max. 0.004	
10	Sulfate and sulfite (as SO ₄)	mass %	max. 0.005	
11	Arsenic (As)	mass ppm	max. 1	
12	Calcium (Ca)	mass %	max. 0.005	
13	Iron (Fe)	mass ppm	max. 5	
14	Lead (Pb)	mass ppm	max. 5	
15	D(-)-Fructose (C ₆ H ₁₂ O ₆)	mass %	max. 2.0	
16	Dextrin and starch	-	Color of sample solution is not red or blue	
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remark

With revision of JIS,etc.a part of the above contents may be updated without prior notification.