

D-Mannitol

NO.	Testing Items	Quality Criterion	Testing Result
1	Characters	White, crystalline powder, freely soluble in water, very slightly soluble in ethanol (96%), appearance is polycrystal	Conform
2	Identification	Be consistent with the refer	Conform
3	Clarity & color	Clear and colorless	Conform
4	Loss on drying, %	≤ 0.5	0.04
5	Nickel, PPM	≤ 1	Conform
6	Sorbitol, %	≤ 2	0.06
7	Maltitol & Isomalt, %	≤ 2	0.02
8	Unspecified impurities, %	≤ 0.1	0.057
9	Total impurities, %	≤ 2	0.13
10	Assay, %	97-102	99.85
11	Melting point, C	165-170	166.5-167.5
12	Reducing sugars, %	≤ 0.1	Conform
13	Conductivity, uS/cm	≤ 20	1.56
14	Lead	≤ 0.5 ppm	Conform
15	Heavy metals	≤ 5 ppm	Conform
16	Bacteria, cfu/g	≤ 100	Conform
17	Fungi, cfu/g	≤ 100	Conform

	Escherichia coli	Negative	Negative
--	------------------	----------	----------

Ahrar Chemistry ahrarchem.com

Email:Info@ahrarchem.com

Phone: +98 9122345678