



PT Sorini Towa Berlian Corporindo

SORBITOL & OTHER POLYOLS MANUFACTURER

CERTIFICATE OF ANALYSIS

PRODUCT NAME : SORBITOL LTS POWDER 50M

MANUFACTURING DATE : 22 January 2024

BATCH No. : 22014510

BEST BY : 20 January 2026

CUSTOMER : Irida SRL

STANDARD COMPLIANCE : BP, EP, USP/NF, FCC, E420, JECFA, KSFA, JSFA, JP

TEST ITEM	RESULT	UNIT	SPECIFICATION	TEST METHOD
Description	Passed		White, hygroscopic powder, crystalline powder, flakes or granule, odorless and having a sweet taste	Organoleptic
Water	0.32	%	Not more than 1.0%	Karl Fischer
Melting point	98.5	°C	Not less than 98 °C and not more than 104 °C	Melting Point
Reducing sugar	0.056	%	Not more than 0.2%	Titration
Total sugar	0.207	%	Not more than 0.67%	Titration
Residue on ignition	0.0120	%	Not more than 0.1%	Gravimetry
pH (10%)	5.6		3.5 ~ 7.0	pH meter
Lead	0.000	ppm	Not more than 0.5 ppm	AAS
Heavy metals (as Pb)	0.000	ppm	Not more than 5.0 ppm	AAS
Arsenic	0.000	ppm	Not more than 1.3 ppm	AAS
Nickel (Ni)	0.000	ppm	Not more than 1.0 ppm	AAS
Free acid	0.18	ml	Not more than 0.5 ml 0.01 N NaOH	Titration
Chloride	3.01	ppm	Not more than 50 ppm	Spectrophotometry
Sulphate	1.18	ppm	Not more than 60 ppm	Spectrophotometry
Conductivity (20%)	2.13	µs/cm	Not more than 20 µs/cm	Conductivity meter
D-Sorbitol	97.7	%	Not less than 97.0%	HPLC
Mannitol	1.0	%	Not more than 2.0 %	HPLC
D-Maltitol	0.6	%	Not more than 2.0%	HPLC
D-Iditol	0.1	%	Not more than 2.0%	HPLC
Total bacteria	0	cfu/gr	Not more than 100 cfu/gr	Pour Plate Method
Total mould and yeast	0	cfu/gr	Not more than 50 cfu/gr	Pour Plate Method
Eschericia coli	Absent	cfu/gr	Absent	Pour Plate Method
Salmonella	Absent	cfu/gr	Absent	Pour Plate Method
Coliform	Absent	cfu/gr	Absent	Pour Plate Method



BEJI, 26 JANUARY 2024
QUALITY ASSURANCE DIVISION

