



LACTOCHEM[®] Powder

Description : α -lactose monohydrate pharmaceutical grade conform **USP/NF, EP, JP**

Physical-Chemical data:

Identification	<u>Specification</u>
Appearance in solution	conform USP/NF, EP, JP
Residue on ignition	clear and nearly colourless
Total Water	max. 0.1%
Loss on drying	4.5-5.5 %
Acidity	max. 0.5 %
Specific Optical Rotation (on anhydrous basis)	max. 0.4 ml 0.1 N NaOH
Absorbance between 210-220 nm (1%, 1 cm)	+54.4° to +55.9°
Absorbance between 270-300 nm (1%, 1 cm)	max. 0.25
Absorbance at 400 nm (10%, 1 cm)	max. 0.07
Heavy metals	max. 0.04
	max. 5 ppm

Microbiological data:

Total viable count	<u>Specification</u>
Enterobacteriaceae	max. 100 / g
Escherichia coli	absent in 1 g
Salmonellae	absent in 10 g
Yeasts	absent in 5x25 g
Moulds	max. 5 / g
	max. 5 / g

Particle size distribution (Airjet sieve analysis, Alpine)

< 150 micron	min. 95 %
< 106 micron	min. 85 %
< 75 micron	65-80 %

Packaging : a multiply paper bag with polyethylene inner liner, 25 kg net

Storage : keep in cool, clean and dry conditions and away from strongly odorous materials

Retest date : for storage periods exceeding 36 months we recommend re-testing

June 4th, 2008 (version 10)

Friesland Foods Domo

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