

Product Specification

Product group: Inhalation

Brand name: Respitose® MLoo3

Article code: 659181

Product description:Lactose monohydrate

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Manufacturing site: FrieslandCampina DMV BV, Veghel, The Netherlands

Product name: Respitose® MLoo3

Conforms to USP - NF, Ph.Eur., JP Lactose monohydrate monograph,

current at time of manufacture

Product description: A white or almost white, crystalline powder freely soluble in water, practically

insoluble in ethanol

Residual solvents

(CPMP/ICH/283/95): No class 1,2,3 solvents are used during production Identification Complies with Pharmacopoeia when tested

Specification

Water (KF) 4.5 - 5.5 % Loss on drying max. 0.5 %

Specific optical rotation:

 $[\alpha]^{20}$ _D , anhydrous basis +54.4° to +55.9°

Residue on ignition/Sulphated ash max. 0.10 %

Proteins and Light Absorbing Impurities

[A] 1%, 1 cm at 270 - 300 nm max. 0.07 [A] 1%, 1 cm at 210 - 220 nm max. 0.25

Appearance of solution (Ph.Eur.) Clear and not more

coloured than ref. BY 7 Clear and colourless

Clarity and Colour of Solution Clear and colourless

or nearly colourless

[A] 10%, 1 cm at 400 nm max. 0.04

Acidity or Alkalinity (ml o.1 N NaOH/6 g) max. 0.4 Heavy metals max. 5 ppm

Related sugars

Glucose max. 200 ppm Galactose max. 200 ppm



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Particle size distribution $\% < 45 \,\mu m$ 50 - 65 (air jet sieve) $\% < 100 \,\mu m$ min. 90 $\% < 150 \,\mu m$ min. 96

Morphology & shape complies
Endotoxins max. 5 EU/g

Total aerobic microbial count 10 cfu/q max. Yeasts and moulds 10 cfu/q max. Bile-tolerant gram-negative bacteria neg. in 1 g E. coli neg.in 10 g St. aureus neg. in 10 g Pseudomonas aeruginosa neg.in 10 g Salmonella neg. in 50 g

Storage:

Keep in original, unopened packing and away from strongly odorous materials Temperature averaging between 5 and 25 °C, relative humidity of max. 70%

This document substitutes all previous versions issued for the brand names mentioned above. We trust this information, which is made up to the best of our knowledge, will be helpful to you.

Name : Rutger Drost

Job title : Global Marketing, Innovation & Technology Director

Signature

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