

## **Product Specification**

Product group: Inhalation

Brand name: Respitose® MLoo1

Article code: 659178

Product description:Lactose monohydrate

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Manufacturing site: FrieslandCampina DMV BV, Veghel, The Netherlands

Product name: Respitose® MLoo1

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

current at time of manufacture

Product description: A white or almost white, odourless, 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:

 $[\alpha]^{20}$ <sub>D</sub> anhydrous basis +54.4° to +55.9°

Residue on ignition/Sulphated ash max. 0.1 %

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 or nearly colourless

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

Acidity or Alkalinity (ml o.1 N NaOH/6 g) max. o.4 ml Heavy metals max. 5 ppm

Related sugars:

Glucose max. 200 ppm Galactose max. 200 ppm



## **Product Specification**

Product group:

Premilled Tomahawk

Inhalation

Brand name:

Respitose® MLoo1

Article code:

659178

Product description:Lactose monohydrate

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Particle size distribution (Air jet sieve)

% < 45 μm 40 - 60 % < 100 μm min. 75 % < 150 μm min. 90 % < 315 μm min. 100

Laser diffraction (dry)

d10
 d50
 d90
 3 - 7 μm
 37 - 61 μm
 124 - 194 μm

Morphology & shape

Endotoxins max. 5 EU/q

Total aerobic microbial count max. 10 cfu/o

10 cfu/g max. Yeasts and moulds 10 cfu/g max. Bile-tolerant gram-negative bacteria neg.in 4x1g E. coli neg.in 10 g St. aureus neg. in 10 g Pseudomonas aeruginosa neq. in 10 q Salmonella neg. in 50 g

Packaging: Polyethylene inner liner in a HDPE drum, 50 kg net

**Storage:** Keep in original, unopened packing and away from strongly odorous materials.

Store at room temperature (normal warehouse conditions), allowing temporary

excursions from these conditions

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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