



# Product Specification

Product group: Inhalation  
 Brand name: Respitose® SV010  
 Article code: 659177  
 Product description: Lactose monohydrate  
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Manufacturing site: FrieslandCampina DMV BV, Veghel, The Netherlands  
 Product name: Respitose® SV010  
 Lactose Monohydrate USP - NF, Ph. Eur., JP  
 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
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 0.1 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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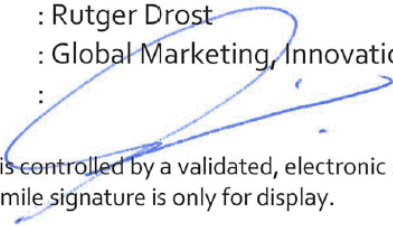
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Particle size distribution:	d10	35 - 65 µm
Laser diffraction (dry)	d50	95 - 125 µm
	d90	160 - 190 µm
Morphology & shape		complies
Endotoxins		max. 5 EU/g
Total aerobic microbial count		max. 10 cfu/g
Yeasts and moulds		max. 10 cfu/g
Bile-tolerant gram-negative 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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