

# Product Specification

Product group: Lactose  
Brand name: Lactopress® Anhydrous  
Fine Powder  
Product description: Anhydrous lactose  
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Manufacturing site: DFE Pharma GmbH & Co.KG, Borculo, The Netherlands  
Product name: Lactopress® Anhydrous Fine Powder  
Conforms to Ph.Eur Lactose monograph / USP - NF, JP Anhydrous Lactose 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

## Physical-Chemical data:

Identification  
Appearance in solution  
Residue on ignition  
Total Water  
Loss on drying  
Acidity  
Isomer ratio (Alpha lactose )  
(Beta-lactose)  
Specific Optical Rotation (on anhydrous basis)  
Absorbance between 210-220 nm (1%, 1 cm)  
Absorbance between 270-300 nm (1%, 1 cm)  
Absorbance at 400 nm (10%, 1 cm)  
Heavy metals

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conform USP - NF, Ph.Eur, JP  
clear and nearly colourless  
max. 0.1 %  
max. 1.0 %  
max. 0.5 %  
max. 0.4 ml 0.1 N NaOH  
(max. 50%)  
(min. 50%)  
+54.4° to +55.9°  
max. 0.25  
max. 0.07  
max. 0.04  
max. 5 ppm

## Microbiological data:

TAMC  
Bile tolerant gram negative bacteria  
Escherichia coli  
Salmonellae  
TYMC

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max. 100 / g  
absent in 10 g  
absent in 10 g  
absent in 5x25 g  
max. 10 / g

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**Particle size** (Airjet sieve analysis, Alpine)

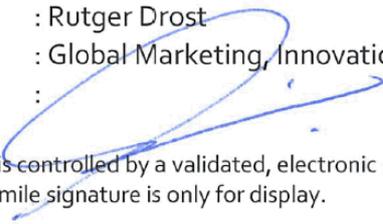
|              |                   |
|--------------|-------------------|
| < 150 micron | greater than 99 % |
| < 100 micron | greater than 95 % |

**Packaging:** A carton box with polyethylene inner line

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

**Retest date:** Product has a retest date of 24 months.

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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