

Dr. Paul Lohmann Inc.  
 1757-10 Veterans Memorial Highway  
 Islandia  
 USA NY 11749 USA

**Batch No** :  
 Released by : Dr.P.Knappe  
 Man. /Release : 20111013  
 Retest period : 36 months

## Certificate of Analysis

### Calcium Acetate

Quantity : 9950.0 kg  
 Packing Unit : 50.0 kg  
 DPL-Code No : 515001012  
 Page : 1(2)  
 Printing Date : Emmerthal, 26.01.2012

Gran., Spec. BP23.180.03 dt. 2/17/2011 (Ph.Eur.)

Country of Manufacture: Germany

Parameters	Limits	Results
Description	Granules	Granules
Colour	white	white
Identification Calcium (Ph.Eur.)	positive	positive
Identification Acetates (Ph.Eur.)	positive	positive
Appearance of solution (10%)	conforms	conforms
pH (5 %)	7.2-8.2	7.8
Readily oxidizable substances	conforms	conforms
Chloride (Cl)	max. 0.0330 %	< 0.0330 %
Fluoride (F)	max. 0.0050 %	< 0.0050 %
Nitrate (NO3)	conforms	conforms
Sulfate (SO4)	max. 0.0600 %	< 0.0600 %
Arsenic (As)	max. 0.0003 %	< 0.0003 %
Barium (Ba)	max. 0.0050 %	< 0.0050 %
Magnesium (Mg)	max. 0.0500 %	< 0.0500 %
Heavy metals (as Pb)	max. 0.0010 %	< 0.0010 %
Water (H2O)	max. 7.0 %	5.7 %
Assay (on anhydrous basis)	99.0-101.0 %	100.5 %
Bulk density (tapped)	min. 0.6 g/ml	0.7 g/ml
Particle size through 20 mesh	min. 80.0 %	85.7 %
Particle size through 100 mesh	max. 35 %	23.8 %
Total aerobic count	max. 1000 CFU/g	< 1000 CFU/g
Yeasts and moulds	max. 100 CFU/g	< 100 CFU/g
E. coli	negative to test	negative to test
Salmonella spec.	negative to test	negative to test
Staph. aureus	max. 10 CFU/g	< 10 CFU/g

The product has been tested and found in compliance with above stated parameters. Above information does, however, not release customer from making his own controls upon receipt of goods.

This is a computer generated document and requires therefore no signature

Dr. Paul Lohmann GmbH KG, Hauptstrasse 2, D-31860 Emmerthal / Germany, Tel. +49 5155 63-0

Dr. Paul Lohmann GmbH KG - Postfach 12 20 - D-31857 Emmerthal

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: 10.10.2011

## Certificate of Analysis

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Not intended for use in peritoneal dialysis solutions, haemofiltration solutions, parenteral preparations or haemodialysis solutions.

Manufacturer: Dr. Paul Lohmann GmbH KG  
Hauptstrasse 2, D-31860 Emmerthal  
Manufacturing Site: Emmerthal  
Germany