

**Certificate of analysis**

Kirsch Pharma GmbH · Postfach 21 11 64 · D-38213 Salzgitter

A.C.E.F. s.p.a  
Via Umbria 8/14  
I-29017 FIORENUOLA D' ARDA PC

Date 20. March 2013  
Your purchase order number - Date 2013/1480 - 07.03.2013  
Your article code 007486-25  
Delivery number - Position 80030222 - 20  
Order number - Position 31449 - 20  
Customer number 100002

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Reg.Nr. 3275-QM

7486

|                     |              |                 |                           |                    |
|---------------------|--------------|-----------------|---------------------------|--------------------|
| <b>Article code</b> | <b>Batch</b> | <b>Quantity</b> | <b>Manufacturing date</b> | <b>Retest date</b> |
| 101390068200        | 2013101480   | 500,000 KG      | 09.2012                   | 09.2015            |

**Urea** current EP

| Parameter               | Unit  | Result   | Specification        |   |
|-------------------------|-------|----------|----------------------|---|
| Identity                |       | complies | Acc. to requirements |   |
| Appearance of solution  |       | complies | Correlates to test   |   |
| Alkalinity              |       | complies | Correlates to test   |   |
| Loss on drying (Ph Eur) | %     | 0,09     | <= 1,00              |   |
| Assay (Ph Eur)          | %     | 99,9     | 98,5 - 101,5         | S |
| Heavy metals (as Pb)    | mg/kg | < 10,0   | <= 10,0              | S |
| Ammonium                | mg/kg | < 500,0  | <= 500,0             | S |
| Biuret                  | %     | < 0,10   | <= 0,10              | S |
| Sulphated ash           | %     | < 0,10   | <= 0,10              | S |

\*(S) = from suppliers certificate of analysis

This delivery is a part of one batch, which complies with the specification agreed upon and stated in the confirmation of order.

Batch related tests are provided on request.

This certificate does not release the buyer from product control on receipt.

Quality management  
Kirsch Pharma GmbH