

## CERTIFICATE OF ANALYSIS

Product : **MAGNESIUM SULFATE HEPTAHYDRATE**  
 Product number : M0513  
 Batch number : 011901  
 Date of production : xx-11-2015  
 Date of expiry : 30-11-2020

Packaging and storage : store at room temperature in a well-closed container

|                        | SPECIFICATION        | RESULT   | UNITS | REMARKS         |
|------------------------|----------------------|----------|-------|-----------------|
| Appearance             | colourless crystals  | complies |       |                 |
| Solubility             | soluble in water     |          |       | 710 g/l / 20 °C |
| Identification :       |                      |          |       |                 |
| - A (magnesium)        | conform              | complies |       |                 |
| - B (sulphates)        | conform              | complies |       |                 |
| Appearance of solution | clear and colourless | Complies |       | 10% solution    |
| Acidity or alkalinity  | conform              | complies |       |                 |
| Chlorides              | ≤ 0.0300             | < 0.0300 | %     |                 |
| Arsenic                | ≤ 0.0002             | < 0.0002 | %     |                 |
| Iron                   | ≤ 0.0020             | < 0.0020 | %     |                 |
| Heavy metals           | ≤ 0.0010             | < 0.0010 | %     | as Pb           |
| Loss on drying         | 48.0 – 52.0          | 51.1     | %     | at 400°C        |
| Assay                  | 99.0 – 100.5         | 100.1    | %     | dried substance |

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist  
 Department of Quality Control Duchefa B.V.

Date: 10-02-2016



The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.