

## CERTIFICATE OF ANALYSIS

Product : **CHARCOAL ACTIVATED**  
Product number : C1302  
Batch number : 009883  
Date of analysis : 05-03-2013  
Date of expiry : 31-01-2018

Packaging and storage : store dry at room temperature

|                                    | SPECIFICATION                      | RESULT   | UNITS | REMARKS         |
|------------------------------------|------------------------------------|----------|-------|-----------------|
| Appearance                         | black, light powder                | complies |       |                 |
| Solubility                         | insoluble in water                 | complies |       |                 |
| Identification (A and B)           | conform                            | complies |       |                 |
| Acidity or alkalinity              | conform                            | complies |       |                 |
| Acid-soluble substances            | ≤ 3                                | 0.4      | %     |                 |
| Alkali-soluble coloured substances | colour ≤ ref. sol. GY <sub>4</sub> | complies |       |                 |
| Alcohol-soluble substances         | ≤ 0.5                              | 0.1      | %     |                 |
| Fluorescent substances             | conform                            | complies |       |                 |
| Sulfides                           | conform                            | complies |       |                 |
| Copper                             | ≤ 25                               | complies | ppm   |                 |
| Lead                               | ≤ 10                               | complies | ppm   |                 |
| Zinc                               | ≤ 25                               | complies | ppm   |                 |
| Loss on drying                     | ≤ 15                               | 5.0      | %     | 4h, 120°C       |
| Sulfated ash                       | ≤ 5.0                              | 2.6      | %     |                 |
| Adsorption power                   | ≥ 40                               | 47.8     | %     | 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: 09-12-2013

