

CERTIFICATE OF ANALYSIS

Product : **D(+)-GALACTOSE**
 Product number : G0810
 Batch number : 013926
 Date of manufacture : 11-07-2018
 Date of analysis : 12-07-2018
 Date of expiry : 31-07-2023

Packaging and storage : store dry at room temperature

| | SPECIFICATION | RESULT | UNITS | REMARKS |
|---------------------------|---|----------|-------|---|
| Description | white crystalline powder | complies | | |
| Identification | conform | complies | | IR-spectrum |
| Appearance of solution | clear and colour \leq ref.sol. B ₈ | complies | | 20% in H ₂ O |
| Acidity or alkalinity | conform | complies | | |
| Specific optical rotation | +78.0 – +81.5 | +80.1 | ° | 10% in H ₂ O, anhydrous substance |
| Related substances | \leq 1.5 | 0.4 | % | anhydrous substance |
| Barium | conform | complies | | opalescence |
| Lead | \leq 0.5 | complies | ppm | |
| Water | \leq 1.0 | 0.1 | % | Karl Fischer |
| Sulphated ash | \leq 0.1 | < 0.1 | % | |
| Protein | \leq 0.1 | < 0.1 | mg/ml | |
| Assay | \geq 98.5 | 99.5 | % | anhydrous substance |
| TAMC | \leq 100 | 55 | cfu/g | |
| Salmonella | absent | complies | /10 g | |
| Escherichia Coli | absent | complies | /1 g | |

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

Conclusion: approved

Released by:



Date: 26-07-2018

drs. Q.de Hoog, pharmacist
 Department of Quality Control Duchefa BV

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