

# Specification

|   |                |             |            |
|---|----------------|-------------|------------|
| Item number:                            | 5956           |             |            |
| <b>Dextran sulphate 500 sodium salt</b> |                |             |            |
| for biochemistry and molecular biology  |                |             |            |
| CAS No.:                                | 9042-14-2      | print date: | 03.01.2018 |
| formula:                                |                |             |            |
| density:                                |                |             |            |
| molecular weight:                       | ~500 000 g/mol |             |            |

## Type analysis

|   |                              |
|---|------------------------------|
| <b>Appearance</b>                                     | white to light yellow powder |
| <b>Specific viscosity (25 °C, 1M NaCl)</b>            | 0,1-0,7                      |
| <b>pH-value (1 %, H<sub>2</sub>O)</b>                 | 5,0-7,2                      |
| <b>Specific rotation <math>[\alpha]_D^{20}</math></b> | +75° to +105°                |
| <b>Loss on drying</b>                                 | ≤10 %                        |
| <b>Loss on ignition</b>                               | 40-50 %                      |
| <b>Free sulphate</b>                                  | ≤0,2 %                       |
| <b>Sulphur (S)</b>                                    | 17-20 %                      |
| <b>Iron (Fe)</b>                                      | ≤2 %                         |
| <b>Chloride (Cl)</b>                                  | ≤0,1 %                       |
| <b>Glucose</b>  | 35-48 %                      |

from *Leuconostoc mesenteroides*

Our products are tested for laboratory use only.  
The stated information refers to the current status of product quality.  
We reserve the right to implement necessary changes.

**U. Jeckel**  
Quality Assurance

**S.Hildebrandt**  
Quality Management

*This document is computer printout and has therefore not been signed by hand.*

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Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Vorsitzender des Aufsichtsrats: Eberhard Gaul  
Geschäftsführer: Lothar Haidmann

