

# ANALYTICAL SPECIFICATION

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**Dextran sulfate 10 kDa LS**

Catalogue No. DB009

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**Description:** A polyanionic derivative of dextran with a weight average molecular weight of approximately 10000. Supplied as the sodium salt as a white to off white powder which is readily soluble in water.

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| TEST/CHARACTERISTIC                  | LIMITS             | TEST METHOD |
|--------------------------------------|--------------------|-------------|
| Appearance, colour                   | White to off white | 02037       |
| Appearance, form                     | Powder             | 02037       |
| Weight average molecular weight (Mw) | 9000-18000         | 02030       |
| Number average molecular weight (Mn) | To be noted        | 02030       |
| Loss on drying                       | ≤ 10%              | 02018       |
| Sulfur content                       | 8-13 %             | 02011       |
| Specific optical rotation            | +90° to +140°      | 02008       |
| pH                                   | 5.0-7.5            | 02009       |
| Free sulfates                        | ≤ 2%               | 02013       |

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