

ANALYTICAL SPECIFICATION

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FITC-dextran sulfate 40

Catalogue No. FDSS40

Description: A FITC derivative of dextran sulfate 40 (DSS). Supplied as a yellow to pale yellow powder which is readily soluble in water.

| TEST/CHARACTERISTIC | LIMITS | TEST METHOD |
|---|-----------------------------|--------------------|
| Appearance, colour | Light yellow to dark yellow | 02037 |
| Appearance, form | Powder | 02037 |
| Weight average molecular weight (Mw) | 30000-50000 | 02030 |
| Number average molecular weight (Mn) | To be noted | 02030 |
| Degree of substitution | 0.001-0.020 | 02002 |
| Sulphur content | 16-19 % | 02011 |
| Free FITC | ≤ 100 ppm | 02005 |
| Loss on drying | ≤ 10% | 02018 |
