

ANALYTICAL SPECIFICATION

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FITC-DEAE-dextran 4 kDa
Catalogue No. FDD4

Description: A fluorescent derivative of a diethylaminoethyl-dextran fraction with an average molecular weight of approximately 4000. It is supplied as a yellow to orange powder which is readily soluble in water.

| TEST/CHARACTERISTIC | LIMITS | TEST METHOD |
|--|---|-------------|
| Appearance, colour | Light yellow to dark yellow or light orange to dark orange or yellow orange or orange yellow. | 02037 |
| Appearance, form | Powder or crystals | 02037 |
| Weight average molecular weight (M_w) | 3000-6000 | 02030 |
| Number average molecular weight (M_n) | To be noted | 02030 |
| Nitrogen content | 2-5 % | 02023 |
| Emission maximum ¹⁾ | 518±5 nm | 02036 |
| Degree of substitution | 0.001-0.008 | 02002 |
| Loss on drying | ≤ 10 % | 02018 |
| Free FITC | Pass | 02005 |

¹⁾ Exc. 493 nm in 0.1 M TRIS pH 8.0