

# ANALYTICAL SPECIFICATION

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**Edition no:** 1201AF

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**Supersedes:** 1201AE

**Valid from:** 06-2022

## FITC-DEAE-dextran 4

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
<b>Appearance, colour</b>	Light yellow to dark yellow or light orange to dark orange or yellow orange or orange yellow.	02037
<b>Appearance, form</b>	Powder or crystals	02037
<b>Weight average molecular weight (M<sub>w</sub>)</b>	3000-6000	02030
<b>Number average molecular weight (M<sub>n</sub>)</b>	To be noted	02030
<b>Nitrogen content</b>	2-5 %	02023
<b>Emission maximum <sup>1)</sup></b>	518±5 nm	02036
<b>Degree of substitution</b>	0.001-0.020	02002
<b>Free FITC</b>	≤ 100 ppm	02005
<b>Loss on drying</b>	≤ 10 %	02018

<sup>1)</sup> Exc. 493 nm in 0.1 M TRIS pH 8.0