

ANALYTICAL SPECIFICATION

Issued by: G. Jandikova

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Approved by: Charlotte de Belder Tesséus

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FITC-DEAE-dextran 20

Catalogue No. FDD20

Description: A fluorescent derivative of a diethylaminoethyl-dextran fraction with an average molecular weight of approximately 20000. 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 (Mw)	15000-30000	02030
Number average molecular weight (Mn)	To be noted	02030
Nitrogen content	2-5 %	02023
Emission maximum ¹⁾	518±5 nm	02036
Free FITC	≤ 100 ppm	02005
Degree of substitution	0.001-0.020	02002
Loss on drying	≤ 10 %	02018

¹⁾ Exc. 493 nm in 0.1 M TRIS pH 8.0