

ANALYTICAL SPECIFICATION

Tentative

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Edition no: 2801AC

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Supersedes: 2801AB

Valid from: 06-2022

FITC-DEAE-polysucrose 70

Catalogue No. FDP70

Description: A fluorescent derivative of a polysucrose 70 fraction with an average molecular weight of approximately 70000. Supplied as a yellow 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	02037
Weight average molecular weight (Mw)	70000-90000	02030
Number average molecular weight (Mn)	To be noted	02030
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 TRIS, pH 8.0