

# ANALYTICAL SPECIFICATION

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**FITC-CM-dextran 40**  
Catalogue No. FCMD40

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**Description:** A fluorescent derivative of a carboxymethyl-dextran fraction produced from a dextran fraction with an average molecular weight of approx. 40000. It is supplied as a yellow powder which is readily soluble in water.

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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 (Mw)</b>	40000-60000	02030
<b>Number average molecular weight (Mn)</b>	To be noted	02030
<b>Loss on drying</b>	≤ 10 %	02018
<b>Free FITC</b>	≤ 100 ppm	02005
<b>Emission maximum <sup>1)</sup></b>	517±5 nm	02036
<b>Degree of substitution</b>	0.001-0.020	02002
<b>Carboxymethyl content</b>	3-7 %	02010

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