

# ANALYTICAL SPECIFICATION

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**FITC-dextran 2000 kDa**  
Catalogue No. FD2000

**Description:** A fluorescent derivative of a dextran fraction with an average molecular weight of approximately 2 million. It is supplied as a yellow to orange powder which is 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>	Approx. 2000000	02030
<b>Number average molecular weight (M<sub>n</sub>)</b>	To be noted	02030
<b>Emission maximum<sup>1)</sup></b>	520±3 nm	02036
<b>Loss on drying</b>	≤ 10%	02018
<b>Degree of substitution</b>	0.001-0.008	02002
<b>Free FITC</b>	Pass	02005

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