

ANALYTICAL SPECIFICATION

Tentative

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Atto488™-dextran 4
Catalogue No. AT488D4

Description: A fluorescent derivative of a dextran fraction with an average molecular weight of approximately 4000 supplied as an orange powder readily soluble in water.
 $\lambda_{ABS_{max}} = 502 \text{ nm}$

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Yellow to orange	02037
Appearance, form	Powder or crystals	02037
Weight average molecular weight (Mw)	3000–5000	02030
Number average molecular weight (Mn)	To be noted	02030
Degree of substitution	0.001–0.008	02002
Free ATTO	To pass test	02033
Loss on drying*	≤ 10 %	02018

*Analysed only for batches ≥ 3g