

ANALYTICAL SPECIFICATION

Tentative

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Atto647nTM-lysine-dextran 70

Catalogue No. AT647nLD70

Description: A fluorescent derivative of a lysine-dextran fraction with an average molecular weight of approximately 70000 supplied as a turquoise to blue powder readily soluble in water.

$$\lambda_{ABS_{max}} = 643 \pm 5 \text{ nm}$$

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Turquoise to blue	02037
Appearance, form	Powder or crystals	02037
Weight average molecular weight (Mw)	Made from Lysine-dextran 70	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