

ANALYTICAL SPECIFICATION

Tentative

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Antonia Red-dextran 20

Catalogue No. ARD20

Description: A fluorescent derivative of a dextran fraction with an average molecular weight of approximately 20000. It is supplied as purple powder readily soluble in water.
 $\lambda_{ABS_{max}} = 582 \text{ nm}$

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Light purple to dark purple	02037
Appearance, form	Powder or crystals	02037
Weight average molecular weight (Mw)	18000-25000	02030
Number average molecular weight (Mn)	To be noted	02030
Degree of substitution	0.001-0.01	02038
Emission maximum¹⁾	602±3nm	02039
Free dye	To pass	02040
Loss on drying²⁾	≤ 10%	02018

¹⁾ Exc. 582 nm in Borate Buffer pH 9.0

²⁾ Not determined for batches ≤ 3 g