

ANALYTICAL SPECIFICATION

Tentative

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Antonia Red-lysine-dextran 150

Catalogue No. ARLD150

Description: A lysine derivative of a dextran with a weight average molecular weight of approximately 150000. Supplied as a light purple to dark purple powder which is readily soluble in water.

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Light purple to dark purple	02037
Appearance, form	Powder	02037
Weight average molecular weight (Mw)	130000–200000	02030
Number average molecular weight (Mn)	To be noted	02030
Degree of substitution	0.001–0.03	02038
Emission maximum¹⁾	602 ± 3 nm	02039
Free Antonia Red 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