

ANALYTICAL SPECIFICATION

Tentative

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FITC-Antonia Red-dextran 20

Catalogue No. FARD20

Description: A fluorescent derivative of a dextran fraction with an average

molecular weight of approximately 20000.

It is supplied as light brown to dark purple powder or crystals readily

soluble in water.

Abs_{max}: $\lambda_{FITC} = 493 \text{ nm}$; $\lambda_{Antonia \text{ red}} = 582 \text{ nm}$

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Weight average molecular weight (Mw)	15000-25000	02030
Number average molecular weight (Mn)	To be noted	02030
Ratio of degree of substitution FITC:Antonia red	To be noted	02002/02038
Ratio of fluorescent intensity FITC:Antonia red	To be noted	02049
Free dye	To pass	02005/02040
Loss on drying	≤ 10%	02018