

ANALYTICAL SPECIFICATION

Tentative

Issued by: Valentina Ponteduro

Edition no: 2403AC

Approved by: Gabriela Jandikova

Supersedes: 2403AB

Valid from: 03-2023

Antonia Red-dextran 40

Catalogue No. ARD40

Description: A fluorescent derivative of a dextran fraction with an average molecular weight of approximately 40000. It is supplied as purple powder readily soluble in water.
 $\lambda_{ABSmax} = 582 \text{ nm}$

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Light purple to dark purple	02037
Appearance, form	Powder or crystals	02037
Weight average molecular weight (Mw)	35000-55000	02030
Number average molecular weight (Mn)	To be noted	02030
Degree of substitution	0.001-0.01	02038
Emission maximum ¹⁾	602±3nm	02039
Free dye	To pass	02040
Loss on drying ²⁾	≤ 10%	02018

¹⁾ Exc. 582 nm in Borate Buffer pH 9.0

²⁾ Not determined for batches ≤ 3 g