

## ANALYTICAL SPECIFICATION

## **Tentative**

Issued by: Valentina Ponteduro Edition no: 2401AC

**Approved by:** Gabriela Jandikova **Supersedes:** 2401AB

**Valid from:** 03-2023

## Antonia Red-dextran 4

Catalogue No. ARD4

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

of approximately 4000. 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)	3000-5000	02030
Number average molecular weight (Mn)	To be noted	02030
Degree of substitution	0.001-0.01	02038
Emission maximum <sup>1)</sup>	602±3nm	02039
Free dye	To pass	02040
Loss on drying <sup>2)</sup>	≤ 10%	02018

<sup>1)</sup> Exc. 582 nm in Borate Buffer pH 9.0

<sup>2)</sup> Not determined for batches  $\leq$  3 g