

# ANALYTICAL SPECIFICATION

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**Blue dextran 40**  
Catalogue No. BD40

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**Description:** Blue dextran 40 is prepared from dextran with an average molecular weight of approximately 40000 Dalton by reacting with Cibacron blue F3GA. It is supplied as a blue powder, soluble in water.

**CAS No.** 87915-38-6

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TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Blue to dark blue	02037
Appearance, form	Powder	02037
Weight average molecular weight (Mw)	30000-50000	02030
Number average molecular weight (Mn)	To be noted	02030
Free Cibacron blue	Pass	02007
Degree of substitution (mmol/g)	0.01-0.08	02004
Loss on drying	≤ 10%	02018

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