

# ANALYTICAL SPECIFICATION

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**Dextran sulfate 500 LS**

Catalogue No. DB051

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**Description:** A polyanionic derivative of dextran with a weight average molecular weight of approximately 500000. Supplied as the sodium salt as a white to off white powder which is readily soluble in water.

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TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	White to off white	02037
Appearance, form	Powder	02037
Weight average molecular weight (Mw)	500000-1000000	02030
Number average molecular weight (Mn)	To be noted	02030
Loss on drying	≤ 10 %	02018
Sulphur content	8-13 %	02011
Specific optical rotation	+90° to +140°	02008
pH	5.0-7.5	02009
Free sulfates	≤ 2 %	02013

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