

# ANALYTICAL SPECIFICATION

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**Dextran sulfate 40 kDa LS**

Catalogue No. DB003

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**Description:** A polyanionic derivative of dextran with a weight average molecular weight of approximately 40000. 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
<b>Appearance, colour</b>	White to off white	02037
<b>Appearance, form</b>	Powder	02037
<b>Weight average molecular weight (Mw)</b>	28000-45000	02030
<b>Number average molecular weight (Mn)</b>	To be noted	02030
<b>Loss on drying</b>	≤ 10 %	02018
<b>Sulfur content</b>	8.0-13.0 %	02011
<b>Specific optical rotation</b>	+90° to +140°	02008
<b>pH</b>	5.0-7.5	02009
<b>Free sulfates</b>	≤ 2 %	02013

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