

ANALYTICAL SPECIFICATION

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Dextran sulfate 500 kDa HS

Catalogue No. DB050

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.

| TEST/CHARACTERISTIC | LIMITS | TEST METHOD |
|--------------------------------------|--------------------|-------------|
| Appearance, colour | White to off white | 02037 |
| Appearance, form | Powder | 02037 |
| Weight average molecular weight (Mw) | 500000-800000 | 02030 |
| Number average molecular weight (Mn) | To be noted | 02030 |
| Loss on drying | ≤ 10 % | 02018 |
| Sulfur content | 16-20 % | 02011 |
| Specific optical rotation | +75° to +115° | 02008 |
| pH | 5.0-7.5 | 02009 |
| Free sulfates | ≤ 2 % | 02013 |
