

ANALYTICAL SPECIFICATION

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Edition no: 2501AE

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Supersedes: 2501AD

Valid from: 09-2024

Lysine-dextran 4
Catalogue No. LD4

Description: A Lysine derivative of a dextran with a weight average molecular weight of approximately 4000. Supplied 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) | 3500-6000 | 02030 |
| Number average molecular weight (Mn) | To be noted | 02030 |
| Degree of substitution | 0.001-0.1 | 02041 |
| Specific optical rotation | +170° to +185° | 02008 |
| pH | 5.0-8.0 | 02009 |
| Free lysine | To pass | 02042 |
| Loss on drying | ≤ 10 % | 02018 |
