

# ANALYTICAL SPECIFICATION

Tentative

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**Edition no:** 2505AB

**Approved by:** Charlotte de B Tesséus

**Supersedes:** 2505AA

**Valid from:** 04-2020

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**Lysine-dextran 40 kDa**  
Catalogue No. LD40

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**Description:** A Lysine derivative of a dextran with a weight average molecular weight of approximately 40000. Supplied 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) | 30000-50000        | 02030       |
| Number average molecular weight (Mn) | To be noted        | 02030       |
| Degree of substitution               | > 0.001            | 02041       |
| Specific optical rotation            | To be noted        | 02008       |
| pH                                   | 5.0-8.0            | 02009       |
| Free lysine                          | Pass               | 02042       |
| Loss on drying                       | ≤ 10%              | 02018       |

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