

ANALYTICAL SPECIFICATION

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Edition no: 0507AD

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Supersedes: 0507AC

Valid from: 08-2022

TRITC-dextran 500
Catalogue No. TD500

Description: A fluorescent derivative of a dextran fraction with an average molecular weight of approximately 500000. It is supplied as a pink to red powder which is readily soluble in water.

| TEST/CHARACTERISTIC | LIMITS | TEST METHOD |
|--------------------------------------|--------------------|-------------|
| Appearance, colour | Pink | 02037 |
| Appearance, form | Powder or crystals | 02037 |
| Weight average molecular weight (Mw) | 400000-600000 | 02030 |
| Number average molecular weight (Mn) | To be noted | 02030 |
| Emission maximum ¹⁾ | 575±5 nm | 02036 |
| Degree of substitution | 0.001-0.008 | 02003 |
| Free TRITC | ≤ 100 ppm | 02006 |
| Loss on drying | ≤ 10 % | 02018 |

¹⁾ Exc. 550 nm in 0.1 M TRIS, pH 8.0