

# ANALYTICAL SPECIFICATION

**Issued by:** G. Jandikova

**Edition no:** 0205AG

**Approved by:** Shams Ghanem

**Supersedes:** 0205AF

**Valid from:** 02-2020

---

## FITC-dextran 40 kDa

Catalogue No. FD40

---

**Description:** A fluorescent derivative of a dextran fraction with an average molecular weight of approximately 40000. It is supplied as a yellow powder which is readily soluble in water.

---

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
<b>Appearance, colour</b>	Light yellow to dark yellow to dark orange	02037
<b>Appearance, form</b>	Powder	02037
<b>Weight average molecular weight (Mw)</b>	35000-45000	02030
<b>Number average molecular weight (Mn)</b>	To be noted	02030
<b>Degree of substitution</b>	0.001-0.008	02002
<b>Loss on drying</b>	≤ 10%	02018
<b>Free FITC</b>	Pass	02005

---