

Catalog Number D7173
Product Name dextran, Oregon Green™ 488; 70,000 MW, anionic, lysine fixable
Appearance orange solid
Lot Number 2961103

Small variation in color is possible, but should not affect product performance.

	LOT DATA	SPECIFICATION
ABSORPTION Maximum Degree of Labeling ¹	496 nm 5	498 ± 5 nm 5 – 8
ASSAY Lysine Determination ²	43	≥ 5
FLUORESCENCE Emission Maximum Relative Quantum Yield ³	524 nm 0.7	524 ± 5 nm ≥ 0.05
PURITY⁴ TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of dextran, determined using an ϵ of 70,000 cm⁻¹M⁻¹ at the absorption maximum
2. Moles of lysines per mole of dextran
3. Quantum yield determined relative to fluorescein at pH 8.0
4. Solvent: 70% chloroform/25% methanol/5% acetic acid



Zach Luedtke, Quality Assurance Manager
19-Jun-2024

Life Technologies Corporation certifies on the date above that this is an accurate record of the analysis of the subject lot, and that the data conform to the specifications in effect for this product at the time of analysis.
Products are under warranty for one year from the date of shipment unless otherwise stated on this document or the product literature.