

Catalog Number D7173
Product Name dextran, Oregon Green® 488; 70,000 MW, anionic, lysine fixable
Appearance orange solid
Lot Number 2451301

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

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	496 nm	498 ± 5 nm
Degree of Labeling ¹	5	5 – 8
ASSAY		
Lysine Determination ²	28	≥ 5
FLUORESCENCE		
Emission Maximum	524 nm	524 ± 5 nm
Relative Quantum Yield ³	0.8	≥ 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



Rachel Smith, Quality Assurance Manager
 28-Aug-2020

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, 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.