

Catalog Number D7172
Product Name dextran, Oregon Green® 488; 70,000 MW, anionic
Appearance orange solid
Lot Number 2072422

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

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	495 nm	498 ± 5 nm
Degree of Labeling ¹	5	5 – 7
FLUORESCENCE		
Emission Maximum	523 nm	524 ± 5 nm
Relative Quantum Yield ²	0.8	≥ 0.3
PURITY³		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of dextran, determined using an ϵ of $70,000 \text{ cm}^{-1}\text{M}^{-1}$ at the absorption maximum.

2. Quantum yield determined relative to fluorescein at pH 8.0.

3. Solvent: 70% chloroform/25% methanol/5% acetic acid.



Rachel Smith, Quality Assurance Manager

30-Nov-2016

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.