

**Catalog Number** D22910  
**Product Name** dextran, Alexa Fluor® 488; 10,000 MW, anionic, fixable  
**Appearance** yellow solid  
**Lot Number** 2179236

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

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b>		
Maximum	494 nm	496 ± 5 nm
Degree of Labeling <sup>1</sup>	1	1 – 3
<b>ASSAY</b>		
Lysine Determination	3	≥ 2
<b>FLUORESCENCE</b>		
Emission Maximum	517 nm	517 ± 5 nm
Relative Quantum Yield <sup>2</sup>	0.7	≥ 0.4
<b>PURITY<sup>3</sup></b>		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of dextran, determined using an  $\epsilon$  of  $71,000 \text{ cm}^{-1}\text{M}^{-1}$  at the absorption maximum

2. Quantum yield determined relative to fluorescein at pH 8.0

3. Solvent: 80% acetonitrile/20% water



Rachel Smith, Quality Assurance Manager  
 21-Jun-2018

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.