

Catalog Number D3308
Product Name dextran, tetramethylrhodamine, 3000 MW, anionic, lysine fixable
Appearance purple solid
Lot Number 2720315

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

	LOT DATA	SPECIFICATION
ABSORPTION¹		
Maximum	560 nm	560 ± 5 nm
Degree of Labeling ²	1	1 – 2
ASSAY		
Lysine Determination ³	5	≥ 1
FLUORESCENCE¹		
Emission Maximum	586 nm	585 ± 5 nm
Relative Quantum Yield ⁴	0.7	≥ 0.3
PURITY⁵		
TLC	meets specification	negligible or no free dye detected

1. Buffer: 8 M guanidine HCl. Preferred new buffer for accurate assessment of tetramethylrhodamine conjugates.

2. Moles of dye per mole of dextran, determined using an ϵ of 65,000 cm⁻¹M⁻¹ at the absorption maximum

3. Moles of lysines per mole of dextran

4. Quantum yield determined relative to 5-(and-6)-carboxytetramethylrhodamine

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



Zach Luedtke, Quality Assurance Manager
 28-Jun-2023

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.