

Catalog Number A23016
Product Name albumin from bovine serum (BSA), tetramethylrhodamine conjugate
Appearance purple solid
Lot Number 2306775

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

	LOT DATA	SPECIFICATION
ABSORPTION¹		
Maximum	561 nm	560 ± 5 nm
Degree of Labeling ²	7	5 – 7
FLUORESCENCE¹		
Emission Maximum	584 nm	585 ± 5 nm
Relative Quantum Yield ³	0.6	≥ 0.5
PURITY⁴		
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 protein, determined using an ϵ of 65,000 $\text{cm}^{-1}\text{M}^{-1}$ at the absorption maximum

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

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



Rachel Smith, Quality Assurance Manager
 18-Mar-2021

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.