

Catalog Number A23016
Product Name albumin from bovine serum (BSA), tetramethylrhodamine conjugate
Appearance purple solid
Lot Number 2555689

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	6	5 – 7
FLUORESCENCE¹		
Emission Maximum	586 nm	585 ± 5 nm
Relative Quantum Yield ³	0.8	≥ 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 cm⁻¹M⁻¹ at the absorption maximum

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

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



Zach Luedtke, Quality Assurance Manager
 31-Mar-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.