

Catalog Number A23016
Product Name albumin from bovine serum (BSA), tetramethylrhodamine conjugate
Appearance purple solid
Lot Number 2961148

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	5	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
 21-Aug-2024

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.

Products are under warranty for one year from the date of shipment unless otherwise stated on this document or the product literature.