

**Catalog Number** C34775  
**Product Name** cholera toxin subunit B (recombinant), Alexa Fluor® 488 conjugate  
**Appearance** yellow solid  
**Lot Number** 2326506

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

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b>		
Maximum	495 nm	496 ± 5 nm
Degree of Labeling <sup>1</sup>	5	3 – 7
<b>FLUORESCENCE</b>		
Emission Maximum	520 nm	519 ± 5 nm
Relative Quantum Yield <sup>2</sup>	0.4	≥ 0.08
<b>PURITY<sup>3</sup></b>		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an  $\epsilon$  of 71,000 cm<sup>-1</sup>M<sup>-1</sup> 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  
 7-Apr-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.