

**Catalog Number** C34778  
**Product Name** cholera toxin subunit B (recombinant), Alexa Fluor® 647 conjugate  
**Appearance** blue solid  
**Lot Number** 2058883

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

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b>		
Maximum	651 nm	653 ± 5 nm
Degree of Labeling <sup>1</sup>	4	2 – 5
<b>FLUORESCENCE</b>		
Emission Maximum	670 nm	668 ± 5 nm
Relative Quantum Yield <sup>2</sup>	0.5	≥ 0.4
<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  $239,000 \text{ cm}^{-1} \text{ M}^{-1}$  at the absorption maximum.
2. Quantum yield determined relative to 7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one) (DDAO).
3. Solvent: 80% acetonitrile/20% water.



Rachel Smith, Quality Assurance Manager  
12-Dec-2018

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.