

**Catalog Number** C34777  
**Product Name** cholera toxin subunit B (recombinant), Alexa Fluor® 594 conjugate  
**Appearance** blue solid  
**Lot Number** 1937201

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

|                                     | LOT DATA            | SPECIFICATION                      |
|-------------------------------------|---------------------|------------------------------------|
| <b>ABSORPTION</b>                   |                     |                                    |
| Maximum                             | 592 nm              | 591 ± 5 nm                         |
| Degree of Labeling <sup>1</sup>     | 3                   | 2 – 5                              |
| <b>FLUORESCENCE</b>                 |                     |                                    |
| Emission Maximum                    | 617 nm              | 614 ± 5 nm                         |
| Relative Quantum Yield <sup>2</sup> | 0.2                 | ≥ 0.08                             |
| <b>PURITY</b> <sup>3</sup>          |                     |                                    |
| TLC                                 | meets specification | negligible or no free dye detected |

1. Moles of dye per mole of protein, determined using an  $\epsilon$  of  $90,000 \text{ cm}^{-1}\text{M}^{-1}$  at the absorption maximum.

2. Quantum yield determined relative to sulforhodamine 101.

3. Solvent: 80% acetonitrile/20% water.



Rachel Smith, Quality Assurance Manager

09-Dec-2016

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.