

**Catalog Number** F8848  
**Product Name** FluoSpheres® sulfate microspheres, 0.2 µm, yellow-green fluorescent (505/515) \*2% solids\*  
**Appearance** yellow suspension  
**Medium** distilled water, 2 mM sodium azide  
**Concentration**  $3.4 \times 10^{12}$  particles/mL  
**Lot Number** 2204244

SONICATE WELL BEFORE USE. STORE AT 2° - 8° C, DO NOT FREEZE

	LOT DATA	SPECIFICATION
<b>FLUORESCENCE</b>		
Emission Maximum	513 nm	515 ± 5 nm
Relative Quantum Yield <sup>1</sup>	0.20	≥ 0.17
<b>MICROSCOPY</b>		
Inspection	meets specification	few or no aggregates detectable after sonication
<b>TECHNICAL DATA<sup>2</sup></b>		
Actual Particle Size	0.22 ± 0.0092 µm	n.a.
Charge	0.0054 meq/g	n.a.
Density of Polystyrene	1.055 g/cm <sup>3</sup>	n.a.
Specific Surface Area	2.6 x 10 <sup>5</sup> cm <sup>2</sup> /g	n.a.
<b>MISCELLANEOUS INFORMATION<sup>2</sup></b>		
Material Lot Number	2105738	n.a.

1. Relative to a solution in methanol of the dye used to prepare this product

2. Technical data for the unstained microspheres.



Rachel Smith, Quality Assurance Manager  
 16-May-2019

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.