

Catalog Number F8809
Product Name FluoSpheres® carboxylate-modified microspheres, 0.2 µm, orange fluorescent (540/560)
2% solids
Appearance orange suspension
Medium distilled water, 2 mM azide
Concentration 4.6×10^{12} particles/mL
Lot Number 2088061

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

	LOT DATA	SPECIFICATION
FLUORESCENCE		
Emission Maximum	560 nm	560 ± 5 nm
Relative Quantum Yield ¹	0.3	≥ 0.15
MICROSCOPY		
Inspection	meets specification	few or no aggregates detectable after sonication
TECHNICAL DATA²		
Actual Particle Size	0.2 ± 0.0078 µm	n.a.
Charge	0.091 meq/g	n.a.
Density of Polystyrene	1.055 g/cm ³	n.a.
Specific Surface Area	2.8 x 10 ⁵ cm ² /g	n.a.
MISCELLANEOUS INFORMATION		
Material Lot Number	2088687	n.a.

1. Relative to a solution in chloroform of the dye used to prepare this product.
2. Technical data for the unstained microspheres.



Rachel Smith, Quality Assurance Manager

04-Mar-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.