

EM Grade Data Sheet

Information	
Product	Gold colloid – 50nm
Product Code	EM. GC50
Batch Number	019875
Storage Buffer	Suspended in H ₂ O, no preservative Residual chemical left from manufacture
Storage Instructions	Store at 2-8°C – DO NOT FREEZE
Expiry Date	August 2018 (Use within one month of opening)

Technical Data	
Mean Diameter	47.3nm
Coefficient of Variation	≤8%
Optical Density @ 520nm	1.17
Gold Chloride Concentration	0.01%
No. of Particles per ml	4.50E+10
No. Moles Particle per ml	7.4726E-14
Molar Particle Concentration (No. moles per L)	7.4726E-11
Mass of gold per ml (g)	5.68E-05

USA: 1-800-423-8199 | International: +44 (0)2920 767 499 | info@bbisolutions.com | www.bbisolutions.com

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