

## EM Grade Data Sheet

<b>Information</b>	
<b>Product</b>	Gold colloid – 50nm
<b>Product Code</b>	EM. GC50
<b>Batch Number</b>	017382-F2
<b>Storage Buffer</b>	Suspended in H <sub>2</sub> O, no preservative Residual chemical left from manufacture
<b>Storage Instructions</b>	Store at 2-8°C – DO NOT FREEZE
<b>Expiry Date</b>	JANUARY 2018 (Use within one month of opening)

<b>Technical Data</b>	
<b>Mean Diameter</b>	49.2nm
<b>Coefficient of Variation</b>	≤8%
<b>Optical Density @ 520nm</b>	1.01
<b>Gold Chloride Concentration</b>	0.01%
<b>No. of Particles per ml</b>	4.50E+10
<b>No. Moles Particle per ml</b>	7.4726E-14
<b>Molar Particle Concentration (No. moles per L)</b>	7.4726E-11
<b>Mass of gold per ml (g)</b>	5.68E-05

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