

## EM Grade Data Sheet

<b>Information</b>	
<b>Product</b>	Gold colloid – 30nm
<b>Product Code</b>	EM. GC30
<b>Batch Number</b>	023243
<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>	April 2019 (Use within one month of opening)

<b>Technical Data</b>	
<b>Mean Diameter</b>	29.2nm
<b>Coefficient of Variation</b>	≤8%
<b>Optical Density @ 520nm</b>	1.03
<b>Gold Chloride Concentration</b>	0.01%
<b>No. of Particles per ml</b>	2.00E+11
<b>No. Moles Particle per ml</b>	3.32116E-13
<b>Molar Particle Concentration (No. moles per L)</b>	3.32116E-10
<b>Mass of gold per ml (g)</b>	5.46E-05

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