Product Family Product Number Lot # MGB15-7442 Form Gold Colloid Capping Agent Solution Source MGB15  PH Measured Diameter Nm Measured Nolarity Nm Measured Nolarity Nm Measured Nolume Male Nolume Ma	6 35 75 500 6.7
Product Number  Lot #  MGB15-7442  Form  Gold Colloid  Capping Agent  Solution  Source  MGB15  PH  Zeta Potential  Diameter  Length  Aspect Ratio  Concentration  Wt. conc.  Concentration  Wt %  Molarity  CTAB  A13-500-CTAB-DIH-1-5  MGB15  MGB15  Expt.  Reasured  Expt.  MGB15  DLS  DLS  DLS  DLS  TEM  Measured  TEM  Calc  Calc  Calc  Concentration  ppm  calc  Wt. conc.  Molarity  CTAB  MM  Measured  MM  Measured  MM  Measured  Date  Exp Date  Exp Date	35 75 500
Product Number Lot # MGB15-7442 Form Gold Colloid Capping Agent Solution Source MGB15  PH  Zeta Potential Diameter Length Aspect Ratio Concentration Wt. conc. Concentration Wt % MGB15  MGB15  A13-500-CTAB-DIH-1-5 MGB15  MGB15  READ BABEG DI Water MGB15	35 75 500
Lot # MGB15-7442 Form Gold Colloid Capping Agent Solution 18MEG DI Water Source MGB15  PH measured Expt. Zeta Potential mV measured DLS Diameter nm measured TEM Length nm measured TEM Aspect Ratio calc Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured  Date Exp Date  MGB15	35 75 500
Form Gold Colloid Capping Agent CTAB Solution 18MEG DI Water Source MGB15  pH measured Expt. Zeta Potential mV measured DLS Diameter nm measured TEM Length nm measured TEM Aspect Ratio Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured  Date Exp Date  Gold Colloid CTAB CTAB  MGB15	35 75 500
Capping Agent Solution 18MEG DI Water Source MGB15  PH measured Expt.  Zeta Potential mV measured DLS Diameter nm measured TEM Length nm measured TEM Aspect Ratio Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured  Date Exp Date  CTAB  CTAB  CTAB  Solution 18MEG DI Water  18ME	35 75 500
Solution Source  MGB15  PH  Zeta Potential Diameter Length Aspect Ratio Concentration Wt. conc. Concentration Wt %  Molarity CTAB Molarity Date Exp Date  MGB15  Measured Expt. Measured DLS Measured TEM Measured TEM Calc Calc Calc Calc Calc Calc Calc Calc	35 75 500
Source MGB15  pH measured Expt.  Zeta Potential mV measured DLS  Diameter nm measured TEM  Length nm measured TEM  Aspect Ratio calc  Concentration nps/mL calc  Wt. conc. mg/mL calc  Concentration ppm calc  Wt % calc  Molarity nM calc  CTAB mM measured  Volume mL measured  Date  Exp Date	35 75 500
Zeta Potential mV measured DLS Diameter nm measured TEM Length nm measured TEM Aspect Ratio calc Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured Volume mL measured  Date Exp Date	35 75 500
Zeta Potential mV measured DLS Diameter nm measured TEM Length nm measured TEM Aspect Ratio calc Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured Volume mL measured  Date Exp Date	35 75 500
Diameter nm measured TEM Length nm measured TEM Aspect Ratio calc Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured Volume mL measured  Date Exp Date	75 500
Length nm measured TEM  Aspect Ratio calc  Concentration nps/mL calc  Wt. conc. mg/mL calc  Concentration ppm calc  Wt % calc  Molarity nM calc  CTAB mM measured  Volume mL measured  Date  Exp Date	500
Aspect Ratio calc Concentration nps/mL calc Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured Volume mL measured  Date Exp Date	
Concentration nps/mL calc  Wt. conc. mg/mL calc  Concentration ppm calc  Wt % % calc  Molarity nM calc  CTAB mM measured  Volume mL measured  Date  Exp Date	6.7
Wt. conc. mg/mL calc Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured Volume mL measured  Exp Date	1.2E+09
Concentration ppm calc Wt % % calc Molarity nM calc CTAB mM measured Volume mL measured  Date Exp Date	0.050
Wt % % calc  Molarity nM calc  CTAB mM measured  Volume mL measured  Date  Exp Date	50
Molarity nM calc CTAB mM measured Volume mL measured  Date Exp Date	0.0050%
CTAB mM measured Volume mL measured  Date Exp Date	0.002
Date Exp Date	10
Exp Date	5
Exp Date	0/00/0040
	8/28/2019
Alex Schoen, Manager Quality Control	2/24/2020
Absorbance	TILL
0.06	
0.04	
0.04	MIN
0.02	Sill.
400 500 600 700 800	
400 500 600 700 800	
Wavelength (nm)	A 100 PM
3.5	