

Product Family	Nanopartz Gold Nanorod
Product Number	A12-25-808-CTAB
Lot #	12G101
Form	Gold Colloid
Capping Agent	CTAB
Solution	18MEG DI Water

SPR Peak	nm	measured	UV/VIS	800
SPR Abs	OD	measured	UV/VIS	1
LSPR Peak	nm	measured	UV/VIS	522
LSPR Abs	OD	measured	UV/VIS	0.3
pH		measured	Expt.	7
Zeta Potential	mV	measured	DLS	38
Diameter	nm	measured	TEM	25
Length	nm	measured	TEM	90
Aspect Ratio		calc		3.6
Concentration	nps/mL	calc		6.5E+10
Concentration	mg/mL	calc		0.050
CTAB	mM	measured		3

Date	1/4/2017
Exp Date	7/3/2017

Absorbance spectrum of the purified protein. The graph shows OD (1cm) on the y-axis (0 to 1.2) versus Wavelength (nm) on the x-axis (500 to 1000). The curve has a small peak at ~510 nm (OD ~0.55) and a major peak at ~810 nm (OD ~1.1).

