

NANOPARTz™

The gold nanoparticle for nanotechnology

Certificate of Analysis

| | |
|----------------|------------------------|
| Product Family | Nanopartz Gold Nanorod |
| Product Number | A12-40-780-CTAB |
| Lot # | RPB169D |
| Form | Gold Colloid |
| Capping Agent | CTAB |
| Solution | 18MEG DI Water |

| | | | | |
|----------------|--------|----------|--------|---------|
| SPR Peak | nm | measured | UV/VIS | 770 |
| SPR Abs | OD | measured | UV/VIS | 1 |
| LSPR Peak | nm | measured | UV/VIS | 524 |
| LSPR Abs | OD | measured | UV/VIS | 0.6 |
| pH | | measured | Expt. | 7 |
| Zeta Potential | mV | measured | DLS | 35 |
| Diameter | nm | measured | TEM | 38 |
| Length | nm | measured | TEM | 118 |
| Aspect Ratio | | calc | | 3.1 |
| Concentration | nps/mL | calc | | 2.2E+10 |
| Concentration | mg/mL | calc | | 0.050 |
| CTAB | mM | measured | | 5 |

Date 1/6/2017

Exp Date 7/5/2017

Alex Schoen, Manager
Quality Control

