



Abvigen Inc

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Silver Nanoparticles NPS- 1%

Diameter (um)	Particle Volume (nm3)	Volume (ml)	Wt.Conc. (mg/ml)	Particle Mass(g)	NPS/mg	NPS/ml	Conc. (nmol/ml)
0.01	5.24E+02	10	10	5.49E-18	1.82E+14	1.82E+15	3.02E+00
0.02	4.19E+03	10	10	4.39E-17	2.28E+13	2.28E+14	3.78E-01
0.03	1.41E+04	10	10	1.48E-16	6.74E+12	6.74E+13	1.12E-01
0.04	3.35E+04	10	10	3.52E-16	2.84E+12	2.84E+13	4.72E-02
0.05	6.54E+04	10	10	6.87E-16	1.46E+12	1.46E+13	2.42E-02
0.07	1.80E+05	10	10	1.88E-15	5.31E+11	5.31E+12	8.81E-03
0.08	2.68E+05	10	10	2.81E-15	3.56E+11	3.56E+12	5.90E-03
0.1	5.24E+05	10	10	5.49E-15	1.82E+11	1.82E+12	3.02E-03
0.2	4.19E+06	10	10	4.39E-14	2.28E+10	2.28E+11	3.78E-04
0.3	1.41E+07	10	10	1.48E-13	6.74E+09	6.74E+10	1.12E-04
0.4	3.35E+07	10	10	3.52E-13	2.84E+09	2.84E+10	4.72E-05
0.5	6.54E+07	10	10	6.87E-13	1.46E+09	1.46E+10	2.42E-05
0.6	1.13E+08	10	10	1.19E-12	8.43E+08	8.43E+09	1.40E-05
0.7	1.80E+08	10	10	1.88E-12	5.31E+08	5.31E+09	8.81E-06
0.8	2.68E+08	10	10	2.81E-12	3.56E+08	3.56E+09	5.90E-06
0.9	3.82E+08	10	10	4.00E-12	2.50E+08	2.50E+09	4.15E-06
1	5.24E+08	10	10	5.49E-12	1.82E+08	1.82E+09	3.02E-06

2	4.19E+09	10	10	4.39E-11	2.28E+07	2.28E+08	3.78E-07
3	1.41E+10	10	10	1.48E-10	6.74E+06	6.74E+07	1.12E-07
4	3.35E+10	10	10	3.52E-10	2.84E+06	2.84E+07	4.72E-08
5	6.54E+10	10	10	6.87E-10	1.46E+06	1.46E+07	2.42E-08
6	1.13E+11	10	10	1.19E-09	8.43E+05	8.43E+06	1.40E-08
7	1.80E+11	10	10	1.88E-09	5.31E+05	5.31E+06	8.81E-09
8	2.68E+11	10	10	2.81E-09	3.56E+05	3.56E+06	5.90E-09
9	3.82E+11	10	10	4.00E-09	2.50E+05	2.50E+06	4.15E-09
10	5.24E+11	10	10	5.49E-09	1.82E+05	1.82E+06	3.02E-09
11	6.97E+11	10	10	7.31E-09	1.37E+05	1.37E+06	2.27E-09
12	9.05E+11	10	10	9.49E-09	1.05E+05	1.05E+06	1.75E-09
13	1.15E+12	10	10	1.21E-08	8.29E+04	8.29E+05	1.38E-09
14	1.44E+12	10	10	1.51E-08	6.64E+04	6.64E+05	1.10E-09
15	1.77E+12	10	10	1.85E-08	5.39E+04	5.39E+05	8.96E-10
17	2.57E+12	10	10	2.70E-08	3.71E+04	3.71E+05	6.15E-10
18	3.05E+12	10	10	3.20E-08	3.12E+04	3.12E+05	5.18E-10
20	4.19E+12	10	10	4.39E-08	2.28E+04	2.28E+05	3.78E-10
22	5.58E+12	10	10	5.85E-08	1.71E+04	1.71E+05	2.84E-10
23	6.37E+12	10	10	6.68E-08	1.50E+04	1.50E+05	2.48E-10
24	7.24E+12	10	10	7.59E-08	1.32E+04	1.32E+05	2.19E-10
25	8.18E+12	10	10	8.58E-08	1.17E+04	1.17E+05	1.93E-10
30	1.41E+13	10	10	1.48E-07	6.74E+03	6.74E+04	1.12E-10
40	3.35E+13	10	10	3.52E-07	2.84E+03	2.84E+04	4.72E-11
50	6.54E+13	10	10	6.87E-07	1.46E+03	1.46E+04	2.42E-11
60	1.13E+14	10	10	1.19E-06	8.43E+02	8.43E+03	1.40E-11

70	1.80E+14	10	10	1.88E-06	5.31E+02	5.31E+03	8.81E-12
80	2.68E+14	10	10	2.81E-06	3.56E+02	3.56E+03	5.90E-12
90	3.82E+14	10	10	4.00E-06	2.50E+02	2.50E+03	4.15E-12
100	5.24E+14	10	10	5.49E-06	1.82E+02	1.82E+03	3.02E-12
200	4.19E+15	10	10	4.39E-05	2.28E+01	2.28E+02	3.78E-13
300	1.41E+16	10	10	1.48E-04	6.74E+00	6.74E+01	1.12E-13
400	3.35E+16	10	10	3.52E-04	2.84E+00	2.84E+01	4.72E-14
500	6.54E+16	10	10	6.87E-04	1.46E+00	1.46E+01	2.42E-14
600	1.13E+17	10	10	1.19E-03	8.43E-01	8.43E+00	1.40E-14
700	1.80E+17	10	10	1.88E-03	5.31E-01	5.31E+00	8.81E-15
800	2.68E+17	10	10	2.81E-03	3.56E-01	3.56E+00	5.90E-15
900	3.82E+17	10	10	4.00E-03	2.50E-01	2.50E+00	4.15E-15
1000	5.24E+17	10	10	5.49E-03	1.82E-01	1.82E+00	3.02E-15
2000	4.19E+18	10	10	4.39E-02	2.28E-02	2.28E-01	3.78E-16