Size Reduction and Particle Size Analysis Test Report

Sample: Nano Silver

Client: Nanopolis Co.,Ltd
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Issued by

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Test Method

Particle size analysis of samples were analyzed by Zetasizer Nanoseries model S4700 (Malvern Instrument, UK). All experiments were performed in three times.

Result

Table 1. Particle size, polydispersity index and mean count rate of Nano Silver .

Sample Name	Hydrodynamic Diameters (nm)	Hydrodynamic Diameter Average± SD (nm)	Polydispersity Index	Polydispersity Index Average ± SD	Mean Count Rate Kilo count per Second (kcps)	Mean Count Rate Average ± SD (kcps)	Peak 1 Mean Intensity (nm)	Peak 2 Mean Intensity (nm)	Peak 3 Mean Intensity (nm)	Peak 1 Area Intensity (%)	Peak 2 Area Intensity (%)	Peak 3 Area Intensity (%)
Nano Silver	229	219.33±9.50	0.242	0.229±0.012	254	250.67±2.89	264.9	0	0	100	0	0
Nano Silver	219		0.228		249		269.4	0	0	100	0	0
Nano Silver	210		0.218		249		265.7	0	0	100	0	0

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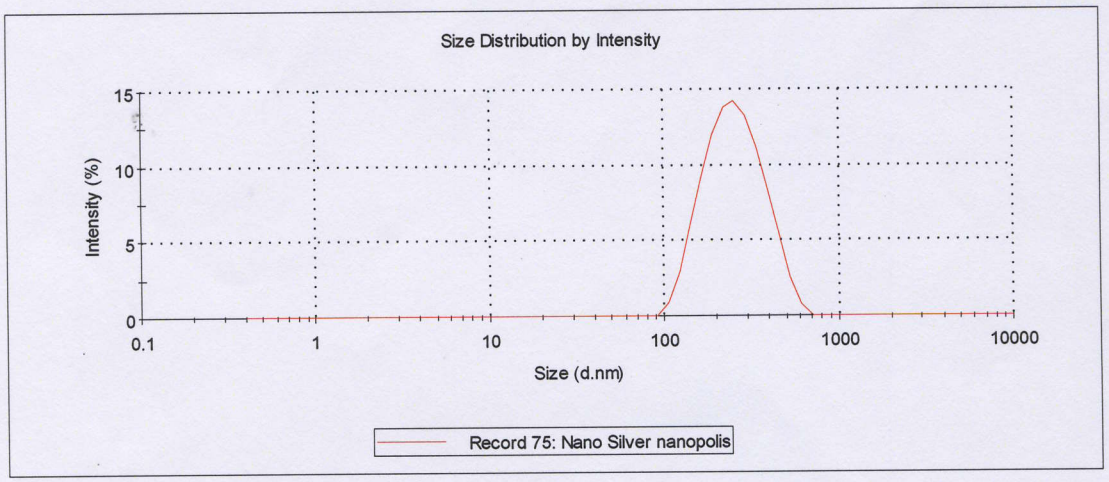

Figure 1. Size distribution by intensity of Nano Silver

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