

Nanodiamond particles in DI water ND-H2O-5N

Produced by detonation of carbon-containing explosives

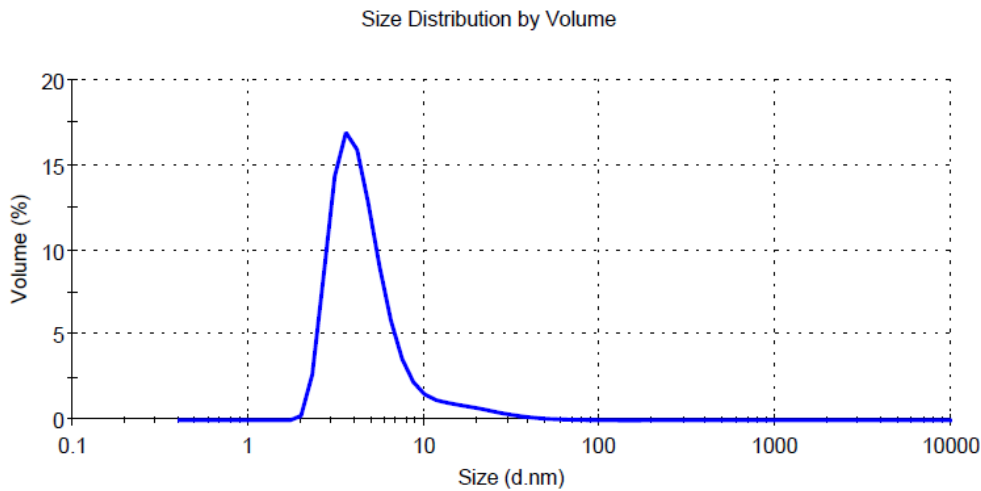
Average particle size 4-5nm, fully deagglomerated;

Carboxylic surface groups, zeta potential -55mV

10mg/ml (1w/v%)

1. Volumetric particle size distribution (DLC measurement using Malvern Instrument Nano-ZS).

	Diam. (nm)	% Volume	Width (nm)
Z-Average (d.nm): 32.06	Peak 1: 5.504	100.0	5.330
Pdl: 0.467	Peak 2: 0.000	0.0	0.000
Intercept: 0.912	Peak 3: 0.000	0.0	0.000
Result quality : Good			



2. ICP elemental Analysis (in ppm)

Al	B	Co	Cr	Fe	Mg	Mn	Na	Ni	Si	W
1.115	2.730	0.0044	0.2320	4.409	0.0210	0.0153	3.634	<1.00	1.846	0.0457

Total metal content: <20ppm