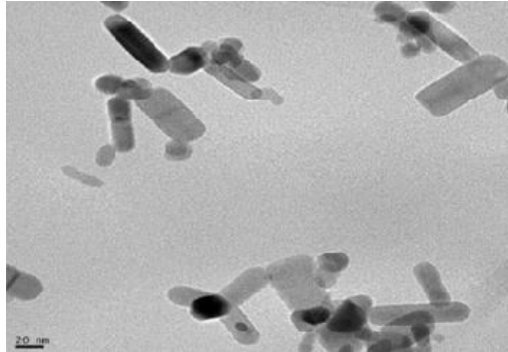


# Nano Zinc Oxide Dispersion

15 w% in water

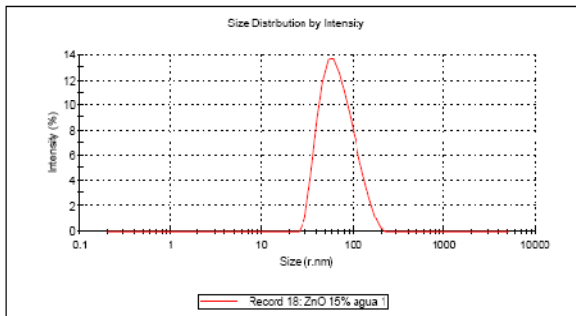
## Characterization:

Average Particle size: 20-30 nm. ( BET)      Appearance: Milky viscous liquid      PH : 10  
 Concentration : 15 w% in water      Viscosity : 3 Cp      Density: 1.44 gm/ml conductivity  
 : 4.13 uS      Colour : White      Morphology: Eloganted      Purity  
 :99.983%  
 Zeta potential : 100% <72nm      Specific Surface Area: 35-50 m2/gm      True density:5.6 g/cc



Images of 20-30 nm ZnO nano particles

	Size (r.nm..)	% Intensity	Width (r.nm..)
<b>Z-Average (r.nm): 61.67</b>	Peak 1: 71,47	100,0	30,42
<b>Pdl: 0,165</b>	Peak 2: 0,000	0,0	0,000
<b>Intercept: 0,942</b>	Peak 3: 0,000	0,0	0,000
<b>Result quality Good</b>			



Zeta potential analysis of Nano ZnO ZN 115

**BET Surface Area Report**

BET Surface Area: 35.3031 ± 0.0731 m<sup>2</sup>/g  
 Slope: 0.122956 ± 0.000250 g/cm<sup>3</sup> STP  
 Y-Intercept: 0.000353 ± 0.000049 g/cm<sup>3</sup> STP  
 C: 348.927791  
 Qm: 8.1097 cm<sup>3</sup>/g STP  
 Correlation Coefficient: 0.9999917  
 Molecular Cross-Sectional Area: 0.1620 nm<sup>2</sup>

Relative Pressure (P/Po)	Quantity Adsorbed (cm <sup>3</sup> /g STP)	1/[Q(Po/P - 1)]
0.054700555	8.1159	0.007130
0.099385831	8.7755	0.012575
0.150093804	9.4137	0.018760
0.200658921	10.0515	0.024974
0.250605300	10.7312	0.031146
0.300214478	11.4946	0.037323

## Important notice regarding this information

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