

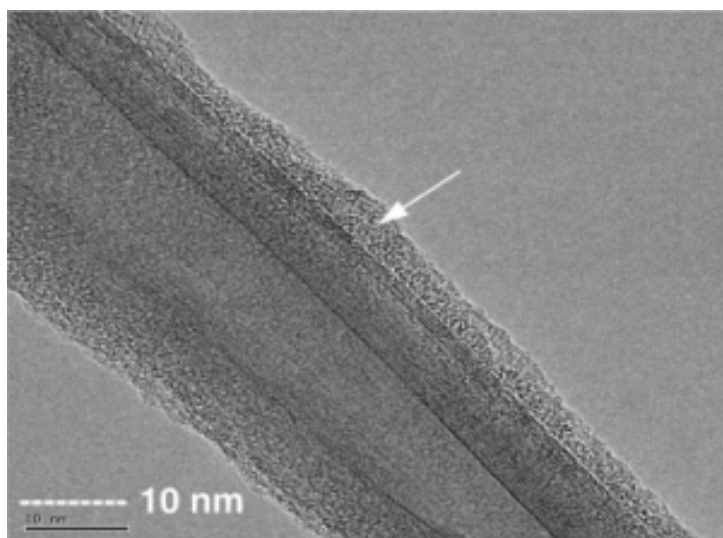
## Specification Sheet

Carbon Nanotube Magnesium Composites  
(MWCNT 99% Dia:20-30nm Length:30-40 $\mu$ m)  
Stock No: NS6130-06-688, CAS: 308068-56-6

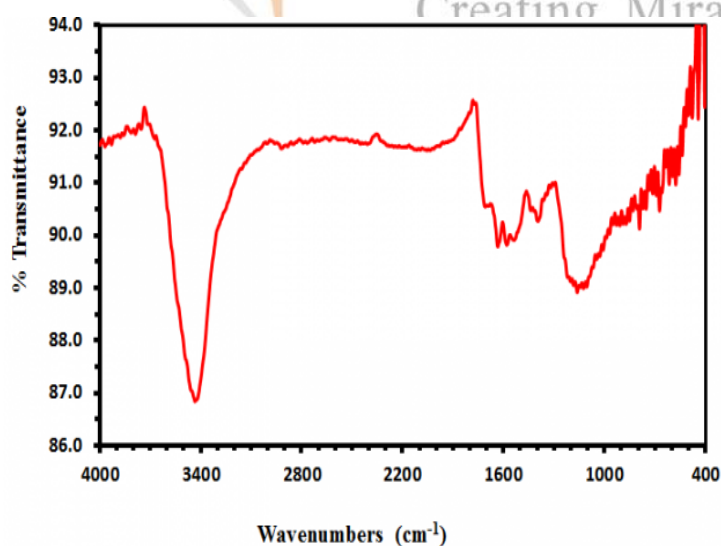
<b>Product</b>	:	<b>Carbon Nanotube Magnesium Composites</b>
Stock No	:	NS6130-06-688
CAS	:	308068-56-6
Diameter	:	20-30nm
Length	:	30-40 $\mu$ m
Purity	:	>99wt% (MWNT)
Amorphous carbon	:	< 1%
Residue ( calcination in air)	:	< 1%
Average interlayer distance	:	0.34nm
Special surface area	:	90-350* m <sup>2</sup> /g
Bulk density	:	0.05-0.17 g/cm <sup>3</sup>
Real density	:	1-2 g/cm <sup>3</sup>
Volume Resistivity	:	0.1-0.15 $\Omega$ .cm ( measured at pressure in powder)
Available Quantities	:	10Gms, 25Gms, 50Gms, 100Gms and larger quantites
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Carbon Nanotube Magnesium Composites



TEM of Carbon Nanotube Magnesium Composites



FTIR Spectra of Carbon Nanotube Magnesium Composites