

## Specification Sheet

Ytterbium Trifluoride Nanopowder

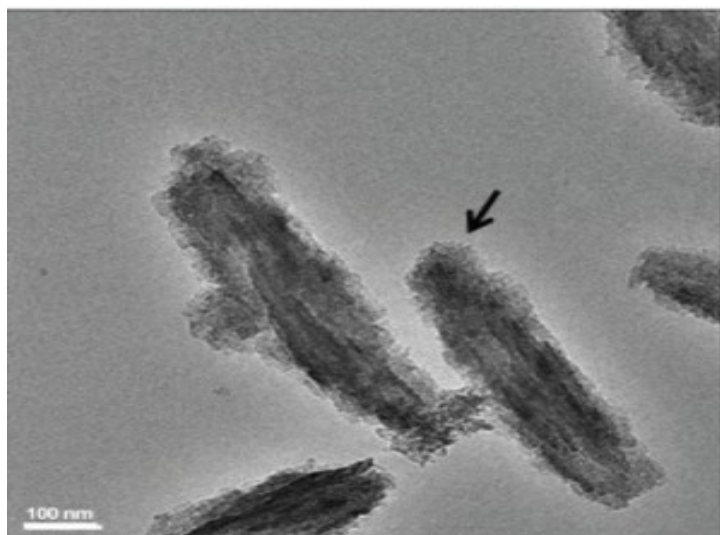
(YbF<sub>3</sub>, Purity: 99%, APS: 80-100nm)

Stock No: NS6130-12-000288, CAS: 13760-80-0

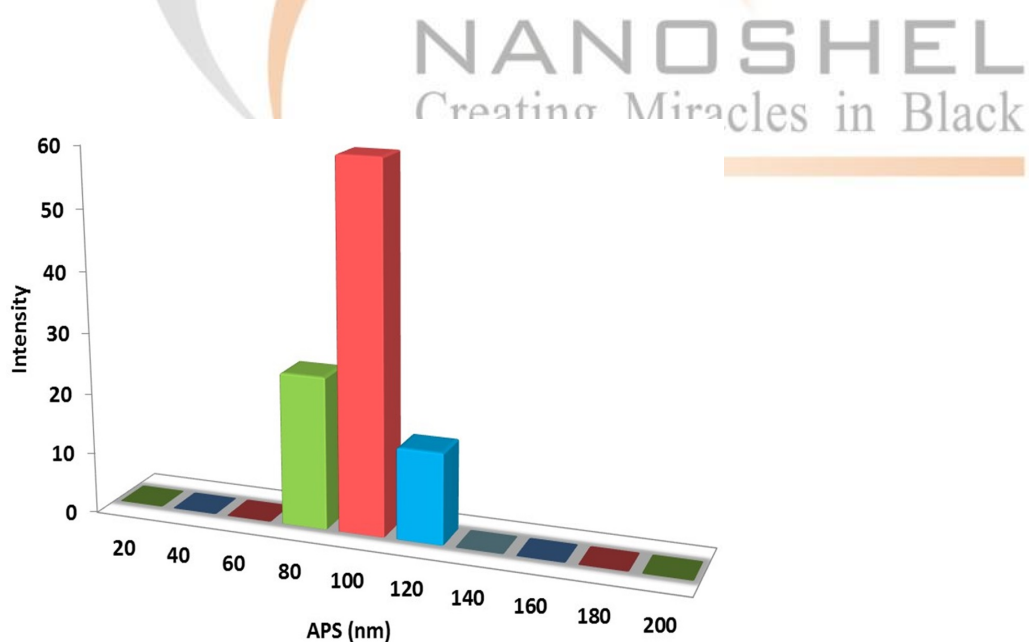
<b>Product</b>	:	<b>Ytterbium Trifluoride Nanopowder</b>
Stock No.	:	NS6130-12-000288
CAS	:	13760-80-0
APS	:	80-100 nm
Purity	:	99%
Chemical Formula	:	YbF <sub>3</sub>
Molecular Weight	:	230.04 g/mol
Form	:	Crystalline Powder
Crystallographic Structure	:	Orthorhombic
Colour	:	White
Density	:	8.2 g/cm <sup>3</sup>
Melting Point	:	1052 °C
Boiling Point	:	2380 °C
Solubility in Water	:	insoluble
Available Quantities	:	25Gms, 50Gms, 100Gms and larger quantities
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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

## Characterization of Ytterbium Trifluoride Nanopowder



HRTEM of Ytterbium Trifluoride



Particles Size Analysis - YbF<sub>3</sub> Nanopowder