

## Specification Sheet

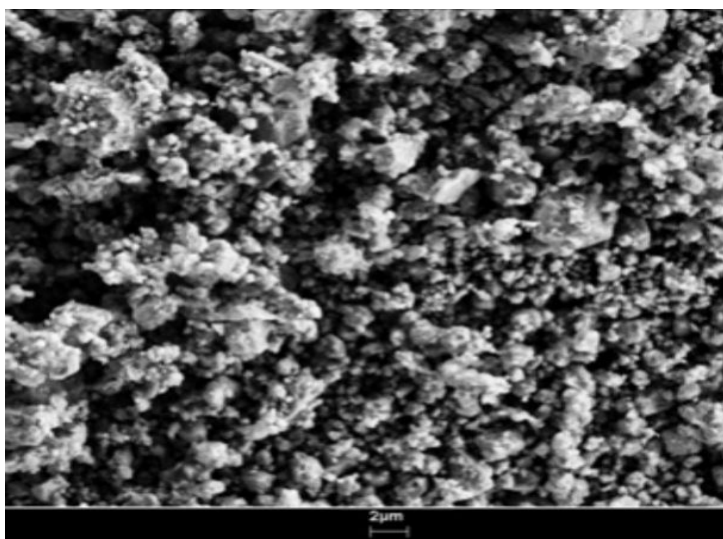
Molybdenum Disilicide Nanoparticles

Stock No: NS6130-12-000933, CAS: 12136-78-6

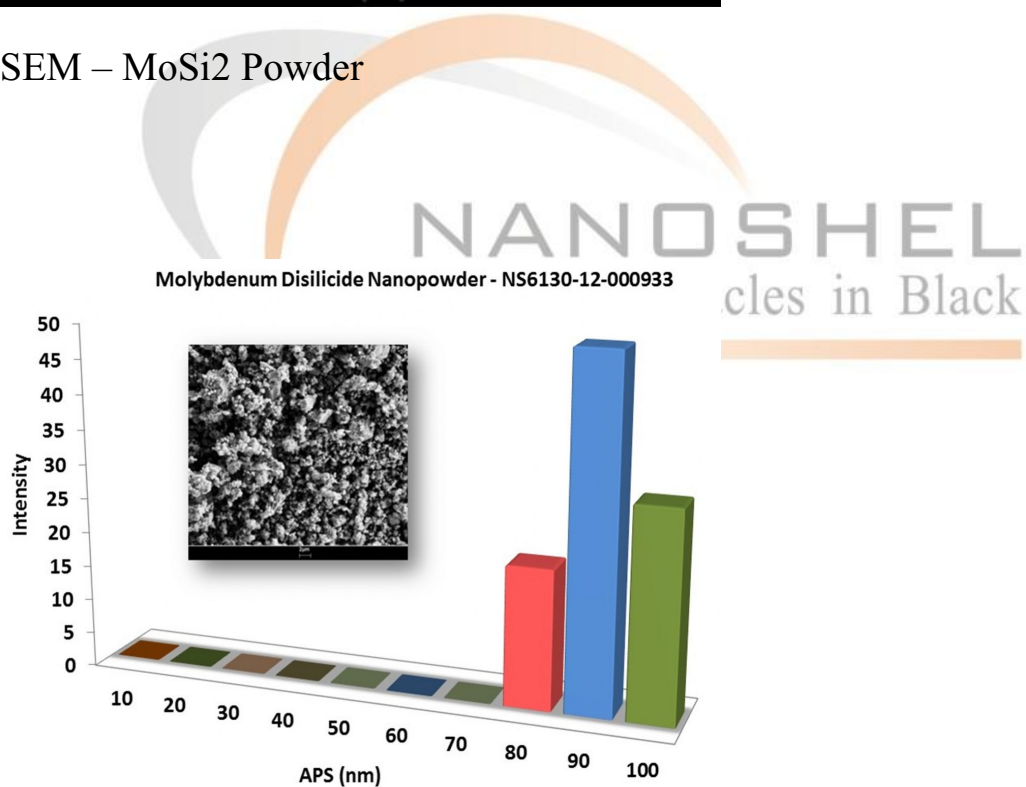
<b>Product</b>	:	<b>Molybdenum Disilicide Nanoparticles</b>
Stock No.	:	NS6130-12-000933
CAS	:	12136-78-6
APS	:	80-100nm
Purity	:	99.9%
Molecular Formula	:	MoSi <sub>2</sub>
Molecular Weight	:	152.11g/mol
Form	:	Powder
Color	:	Black/Gray
Density	:	6.3 g/cm <sup>3</sup>
Melting Point	:	1870-2030 °C
Thermal Expansion	:	$5.1 \times 10^{-6} \text{ K}^{-1}$
Solubility	:	Insoluble in acid
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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

## Characterization of Molybdenum Disilicide Nanoparticles



SEM – MoSi<sub>2</sub> Powder



Particles Size Analysis – MoSi<sub>2</sub> Nanopowder