Technical Data Sheet

ACS Material Monolayer Molybdenum Disulfide
(Powder and Dispersion)

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1. Preparation Method
Lithium-based Intercalation Method

2. Characterizations

Composition:  Monolayer Molybdenum Disulfide
Appearance:  Black Powder or Dispersion
Diameter:  0.2-5 μm, mainly concentrate in 1μm-3μm
Thickness:  ~1 nm
Monolayer ratio:  >=90 wt%

SEM Image (1) of ACS Material Monolayer Molybdenum Disulfide
TEM Image (2) of ACS Material Monolayer Molybdenum Disulfide
3. Application Fields
Secondary batteries, field-effect transistors, sensors, organic light-emitting diodes, memory.
Monolayer Molybdenum disulfide will be supplied as powder or dispersion, and it has good solubility in water and ethanol. The dispersion concentration of Monolayer Molybdenum disulfide with small diameter in water will be adjustable in 0.1mg-5 mg/ml. If you have any questions, please contact us, and we will try our best to provide the solutions for you.

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