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Product Specifications

Catalogue Number	48672
Product	Molybdenum disulfide
CAS Number	1317-33-5
Molecular Formula	MoS ₂
Molecular Weight	160.07

Appearance	Shiny silver grey fine powder
Solubility	Insoluble in water. Soluble in concentrated mineral acids
Melting Point	2374 - 2376 °C
Density	5.06 cm ³ /g
Elemental Analysis (Theory)	Carbon (C) : ≤ 0.05%
Cation	Iron (Fe) : ≤ 0.20%
Water Content (Karl Fisher)	≤ 0.02%
Insoluble	Acid Insoluble : ≤ 0.50%
Particle Size	≤ 3 – 4 microns
Related Substances	Molybdenum Trioxide (MoO ₃) : ≤ 0.05%
Purity	≥ 98%
Storage	Store at 2 - 8 °C
Additional Information	Oil : ≤ 0.0005%

For Laboratory Use Only