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Product Specification

Product Name:
Molybdenum(VI) oxide - ACS reagent, ≥99.5%

Product Number: 267856
CAS Number: 1313-27-5
MDL: MFCD00003469
Formula: MoO₃
Formula Weight: 143.94 g/mol



TEST	Specification
Appearance (Color)	Conforms to Requirements
Pale to Light Green	
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Miscellaneous Assay	≥ 99.50 %
Purity with Lead Nitrate	
Insoluble matter	≤ 0.01 %
C = 8.3%; Dilute NH ₄ OH	
Miscellaneous Assay	≤ 0.001 %
Arsenate, Phosphate and Silicate	
Chloride	≤ 0.002 %
Heavy Metal	≤ 0.005 %
As Lead	
Ammonium (NH ₄)	≤ 0.002 %
Miscellaneous Assay	Pass
Nitrate (NO ₃), Limit Approximately 0.003%	
Phosphate (P ₀₄)	≤ 5 ppm
Sulfate (SO ₄)	≤ 0.02 %
Meets ACS Requirements	Current ACS Specification
Tenth Edition	

Specification: PRD.0.ZQ5.10000033675

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.