

Certificate of Analysis

Product Name:

Phosphomolybdic acid hydrate - ACS reagent

Product Number:

221856

 $12\text{MoO}_3 \cdot \text{H}_3\text{PO}_4 \cdot x\text{H}_2\text{O}$

Batch Number:

MKCX1906

Brand:

SIGALD

CAS Number:

51429-74-4

MDL Number:

MFCD00149913

Formula:

 $\text{H}_3[\text{P}(\text{Mo}_3\text{O}_{10})_4] \cdot x\text{H}_2\text{O}$

Formula Weight:

1,825.25 g/mol

Quality Release Date:

22 JAN 2025

Test	Specification	Result
Appearance (Color)	Yellow to Yellow-Orange	Yellow
Appearance (Form)	Crystals	Crystals
ICP Major Analysis	Confirmed	Conforms
Confirms Mo and P Components		
Insoluble Matter	$\leq 0.01 \%$	$< 0.01 \%$
Calcium (Ca)	$\leq 0.02 \%$	$< 0.01 \%$
Chloride Content	$\leq 0.02 \%$	$< 0.02 \%$
Iron (Fe)	$\leq 0.005 \%$	$< 0.001 \%$
Heavy Metal	$\leq 0.005 \%$	$< 0.001 \%$
(as Lead)		
Ammonia (NH ₄)	$\leq 0.01 \%$	$< 0.01 \%$
Sulfate (SO ₄)	$\leq 0.025 \%$	$< 0.025 \%$
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director

Quality Control

Milwaukee, WI US

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.

