

Certificate of Analysis

SIGMA-ALDRICH®

Product Name Phosphomolybdic acid hydrate,
ACS reagent
Product Number 221856
Product Brand SIGALD
CAS Number [51429-74-4](#)
Molecular Formula $\text{H}_3[\text{P}(\text{Mo}_3\text{O}_{10})_4] \cdot x\text{H}_2\text{O}$
Molecular Weight 1825.25 (anhydrous basis)

TEST

SPECIFICATION

LOT 02207CE-206 RESULTS

APPEARANCE

YELLOW TO YELLOW-
ORANGE CRYSTALS

YELLOW CRYSTALS

ICP ASSAY

CONFIRMS
MOLYBDENUM AND
PHOSPHOROUS

CONFIRMS PHOSPHORUS
& MOLYBDENUM
COMPONENTS

INSOLUBLE MATTER

0.01% (MAXIMUM)

<0.01% *

CALCIUM

0.02% (MAXIMUM)

<0.02% *

CHLORIDE

0.02% (MAXIMUM)

<0.005% *

IRON

0.005% (MAXIMUM)

<0.005% *

HEAVY METALS

0.005% (MAXIMUM) (AS
PB)

<0.005% (AS PB) *

AMMONIUM

0.01% (MAXIMUM)

<0.01% *

SULFATE

0.025% (MAXIMUM)

<0.01% *

AND/OR

* SUPPLIER DATA

APPROVED OCTOBER 27,
1995 JSB

* SUPPLIER DATA

AND/OR

MEETS REQUIREMENTS
OF ACS 10TH ED

APPROVED OCTOBER 27,
1995 JSB

MEETS REQUIREMENTS
OF ACS 10TH ED

EXACT REPLACEMENT
FOR PRODUCT
NUMBERS P0550

PRODUCT CROSS

REFERENCE INFORMATION

QUALITY CONTROL ACCEPTANCE DATE

APRIL 2006

A handwritten signature in black ink, reading "Barbara Rajzer". The script is cursive and fluid, with the first name "Barbara" and last name "Rajzer" clearly distinguishable.

Barbara Rajzer, Supervisor
Quality Control
Milwaukee, Wisconsin USA