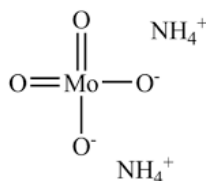


TIQ-F-QC-003  
 Rev.00

## Technical Data Sheet

# AMMONIUM MOLYBDATE TETRAHYDRATE 99,3 % AR

Ammonium heptamolybdate tetrahydrate



<b>Product Code</b>	O-5026	<b>Grade</b>	Analytical Reagent
<b>Purity</b>	99,3%	<b>CAS No</b>	12054-85-2
<b>Molecular Formula</b>	$((\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O})$	<b>Molecular Weight</b>	1235.90 g/mol
<b>H.S.Code</b>	2841.7090	<b>Shelf Life</b>	60 Months

## Physical Properties

<b>Physical state</b>	crsytalline	<b>Melting point</b>	90°C
<b>Colour</b>	White	<b>pH</b>	5 – 5,5 at 25 °C
<b>Boiling point</b>	190 °C	<b>Decomposition Temperature</b>	190°C
<b>Solubility in water</b>	4,3 g/l at 20 °C	<b>Relative density</b>	2,498 g/mL at 25 °C

## Packaging

100 gram, 500 gram

## Specification

Appearance	White crystalline powder
Assay	99.3 - 108.8 %
Assay (as MoO <sub>3</sub> )	81 - 83 %
Identity	to pass as per USP
Insoluble matter	max 0.005 %
Chloride (Cl)	max 0.002 %
Arsenate,phosphate,silicate (PO <sub>4</sub> )	max 0.001 %
Nitrate (NO <sub>3</sub> )	passes test
Phosphate (PO <sub>4</sub> )	max 0.0005 %
Heavy metals (as Pb)	max 0.001 %
Magnesium (Mg)	max 0.005 %
Sodium (Na)	max 0.01 %
Potassium (K)	max 0.01 %
Sulphate (SO <sub>4</sub> )	max 0.02 %

Magnesium &amp; alkali salts

max 0.02 %

## Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: warning

UN No.: not applicable

IMCO Class No.:not applicable

Packing Group: not applicable

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305+P351+P338