



Indroduction

Ammonium molybdate is a chemical compound with the formula $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}$. It is a white, crystalline solid that consists of ammonium cations (NH_4^+) and molybdate anions. This compound is a common source of molybdenum in various industrial and laboratory applications. Here are some of its uses:



Analytical Chemistry	Ammonium molybdate is used as a reagent in various analytical chemistry techniques, particularly in the detection and quantification of phosphates and silicates in water samples. It forms a yellow complex with these ions, which can be measured spectrophotometrically.
Corrosion Inhibitor	Corrosion Inhibitor: In some industrial processes, ammonium molybdate is used as a corrosion inhibitor to protect metals from rust and corrosion. It can be added to cooling water systems and other applications where corrosion control is essential.
Catalysis	Ammonium molybdate is employed as a catalyst in certain chemical reactions. It is particularly useful in organic synthesis reactions, such as the oxidation of alcohols and the production of heterocyclic compounds.
Fertilizers	<p>Molybdenum is an essential micronutrient for plant growth. Ammonium molybdate is used in agriculture as a molybdenum fertilizer to correct molybdenum deficiencies in soils, which can lead to poor crop yields.</p> <p>Lithium Ion Battery Electrodes: Ammonium molybdate has also been investigated for its potential use in lithium-ion battery electrodes due to its electrochemical properties.</p>

Flame Retardants	Ammonium molybdate has been used as a component in some flame-retardant formulations, although it is less common than other flame retardants.
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Lithium Ion Battery Electrodes	Ammonium molybdate has also been investigated for its potential use in lithium-ion battery electrodes due to its electrochemical properties.

Our given ammonium molybdate is tested on different parameters of quality so as to deliver qualitative assured at customer's end. Our valuable customers can avail this product at market competitive price.

Chemical formula	$(\text{NH}_4)_6 \text{Mo}_7 \text{O}_{24} \cdot 4\text{H}_2\text{O}$
CAS No.	12054-85-2
Molecular Weight	1235.86 Gm/Mol

APPEARANCE

Powder	White to off-White Crystalline Powder
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Properties

100% Soluble in Aqueous Ammonia Solution

STANDARD SPECIFICATION

No.	Parameters	Our Standard
1	MoO ₃	81.00 % Min
2	Mo	54.50 % Min
3	Chloride	0.05% Max
4	Insoluble	0.01% Max
5	Iron.	0.01% Max

PACKING

1	LDPE lined HDPE bags of 25/50 kgs.
2	As per customer's requirement in bulk bag up to 1 MT in big sack

APPLICATION

1	Catalyst in Copper Phalocyanine Crude
2	Source of Molybdate Ions
3	Analytical Reagents
4	Catalyst in Dehydration and Desulfurization in Coal Technology