



Product Specification

cdhfinechemical.com

AMMONIUM MOLYBDATE TETRAHYDRATE DIAGNOSTIC USE

PRODUCT CODE	G02070
SYNONYMS	(Ammonium Heptamolybdate)
C.I. NO.	--
CASR NO.	(12054-85-2)
ATOMIC OR MOLECULAR FORMULA	$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}\cdot 4\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	1235.86
PROPERTIES	Insoluble in alcohol, melting point decomposes. Nonflammable.
PARAMETER	LIMIT
Description	White uniform crystalline masses sometimes with a slight green or yellow tint.
Solubility	10% solution in hot water is clear and colourless or almost colourless.
Minimum assay (T)	99.0%
Assay (as MoO ₃)	81.0-83.0%
pH (0.05M aq. Solution)	4.0 to 5.5
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.005%
Chloride (Cl)	0.001%
Sulphate (SO ₄)	0.005%
Iron (Fe)	0.0005%
Heavy metals (Pb)	0.001%
Nitrate (NO ₃)	0.002%
Arsenate, Phosphate & Silicate (PO ₄)	0.0005%
Magnesium (Mg)	0.005%
Potassium (K)	0.01%
Sodium (Na)	0.01%
Calcium (Ca)	0.001%
Copper (Cu)	0.0005%
Nickel (Ni)	0.0005%
Zinc (Zn)	0.0005%
Note(s) : Assay (if applicable) method mentioned.	
WARNING	IMDG Code : --
Hazard statements: Not hazardous. No hazards.	UN No. : --
Precautionary statements	IATA : --
Prevention: -----	
Response: -----	
Disposal:-----	
Hazard Pictogram(s) :-----	