



## Specification

Concerning Product:	
Article number	12054852QAL
Trade name / designation / denomination	AMMONIUM MOLIBDATE 4-HYDRATE AL
CAS number	12054-85-2
Other names / synonyms	•AMMONIUM MOLYBDATE, ACS; •Ammonium Molybdate, Tetrahydrate, Crystal, Reagent, ACS; •Ammonium Molybdate, Tetrahydrate, USP; •Ammonium molybdate; •Ammonium molybdate tetrahydrate; •Ammonium paramolybdate tetrahydrate; •Molybdate (Mo7O246-), ammonium, hydrate (1:6:4); •ammonium; molybdenum; oxygen(2-); hydrate;
EC number	234-722-4
Customs tariff number / CN code / TARIC	28417000
Molecular weight [g / mol]	1235.86
Formula	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>2</sub> O <sub>24</sub> ·4H <sub>2</sub> O

Parameter	Specification	Unit
<b>Physical parameter</b>		
Substances insoluble	in H <sub>2</sub> O: ≤ 0,005	%
<b>Identity</b>		
Assay	99,3 – 101,8	%
Assay	81,0 – 83,0	%
Identification	complies	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 0,001	%
Nitrates	complies	
Phosphate (PO <sub>4</sub> )	≤ 0,0005	%
Sulphates (SO <sub>4</sub> )	≤ 0,02	%
Impurity	Arseniate + fosfate + silicat + SiO <sub>2</sub> : ≤ 0,001	%
Impurity	Magnesium + Alkali: ≤ 0,02	%
<b>Elemental Impurities</b>		
Chlorides (Cl)	≤ 0,002	%
Potassium (K)	≤ 0,01	ppm
Magnesium (Mg)	≤ 0,005	%
Sodium (Na)	≤ 0,01	%

### **Supplemental information:**

**Released by manufacturer:** 2018-07-09

**Shelf life:** 60 Mon.

**Complies with monograph:** ACS 11 ED., USP 41

**Regional origin:** ES

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. May, 2019

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