

## AL0850 Aluminium nitrate nonahydrate, EssentQ®



assay (complexometric) . . . . . 98 - 102 %  
 insoluble in water . . . . . max. 0,02 %  
 pH (5 %, H<sub>2</sub>O) . . . . . 2,5 - 3,5  
 chlorides (Cl) . . . . . max. 0,005 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,05 %  
 arsenic (As) . . . . . max. 0,001 %  
 calcium (Ca) . . . . . max. 0,02 %  
 copper (Cu) . . . . . max. 0,001 %

heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,01 %  
 lead (Pb) . . . . . max. 0,001 %  
 magnesium (Mg) . . . . . max. 0,005 %  
 nickel (Ni) . . . . . max. 0,001 %  
 potassium (K) . . . . . max. 0,05 %  
 sodium (Na) . . . . . max. 0,01 %  
 non precipitable by NH<sub>4</sub>OH (as SO<sub>4</sub>) . . . . . max. 0,5 %

ART. NO.	VOLUME	CONTAINER
AL08500500	500 g	
AL08501000	1 kg	
AL0850005P	5 kg	

## AL0820 Aluminium nitrate nonahydrate, ExpertQ®, for analysis, ACS



assay (complexometric) . . . . . 98 - 102 %  
 insoluble in water . . . . . max. 0,005 %  
 pH (5 %, H<sub>2</sub>O) . . . . . 2,0 - 4,0  
 chlorides (Cl) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,02 %  
 cadmium (Cd) . . . . . max. 0,001 %  
 calcium (Ca) . . . . . max. 0,005 %  
 copper (Cu) . . . . . max. 0,001 %

heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,002 %  
 lead (Pb) . . . . . max. 0,001 %  
 magnesium (Mg) . . . . . max. 0,001 %  
 potassium (K) . . . . . max. 0,002 %  
 sodium (Na) . . . . . max. 0,005 %  
 zinc (Zn) . . . . . max. 0,001 %  
 non precipitable by NH<sub>4</sub>OH (as SO<sub>4</sub>) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AL08200500	500 g	
AL08201000	1 kg	
AL0820005P	5 kg	

## ALUMINIUM OXIDE

- Synonyms: Alum earth, Alumina, Gooch crucibles
- Al<sub>2</sub>O<sub>3</sub>
- M = 101,96 g/mol
- CAS [1344-28-1]

- EINECS-No.: 215-691-6
- Solub. in water: (20°C): insoluble
- Melting point: - 1760°C
- Tariff number: 2818 20 00 00

- Applications: in porcelain industry, in building materials, catalyst, synthesis of organic products.

## AL0830 Aluminium oxide, EssentQ®

residue on ignition . . . . . max. 1 %

ART. NO.	VOLUME	CONTAINER
AL08301000	1 kg	

## AL0835 Aluminium oxide activated, neutral, for column chromatography (activity degree 1)

grain size: 0,05-0,2 mm (70-290 mesh ASTM)  
 pH (10 %, H<sub>2</sub>O) . . . . . approx. 7,5

ART. NO.	VOLUME	CONTAINER
AL08351000	1 kg	
AL08352500	2,5 kg	

ART. NO.	VOLUME	CONTAINER
AL0835005P	5 kg	

## AL0836 Aluminium oxide activated, acid, for column chromatography (activity degree 1)

grain size: 0,05-0,2 mm (70-290 mesh ASTM)  
 pH (10 %, H<sub>2</sub>O) . . . . . 4,5

ART. NO.	VOLUME	CONTAINER
AL08361000	1 kg	

ART. NO.	VOLUME	CONTAINER
AL0836005P	5 kg	

## AL0837 Aluminium oxide activated, basic, for column chromatography (activity degree 1)

grain size: 0,05-0,2 mm (70-290 mesh ASTM)  
 pH (10 %, H<sub>2</sub>O) . . . . . approx. 10

ART. NO.	VOLUME	CONTAINER
AL08371000	1 kg	

ART. NO.	VOLUME	CONTAINER
AL0837005P	5 kg	

## ALUMINIUM POTASSIUM SULFATE DODECAHYDRATE

- Synonyms: Potassium aluminium sulfate, Alum potassium, Potassium alum
- KAl(SO<sub>4</sub>)<sub>2</sub>·12H<sub>2</sub>O
- M = 474,39 g/mol
- CAS [7784-24-9]

- EINECS-No.: 233-141-3
- Solub. in water: (20 °C): 139 g/l
- Melting point: 90 °C
- Tariff number: 2833 30 00 00

- Applications: analytical chemistry, manufacture of dyes, manufacturing of lacquers, in explosive compositions.
- Appearance: White and crystalline