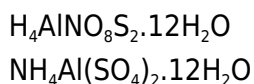


**PRODUCT CODE: 141102****Aluminium Ammonium Sulfate 12-hydrate (USP) pure, pharma grade**

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M.= 453,33

CAS [7784-26-1]

EINECS 232-055-3

TARIC 2833 30 00 00

**SYNONYMS:** Ammonium Alum, Ammonium Aluminium Sulphate**PHYSICAL DATA:** Small crystals, White, Soluble in water 150 g/l at 20 °C Thermal decom. above 280 °C • D 1,64 •  
M.P.: 93 °C • B.P.: 200 °C • pH(100g/l)2,6 •**BIBLIOGRAPHY:** Merck Index **12**, 335 13, 325 Safety **2** , **111 A** • Römp **8** , **186** • ACS **XI** • USP **41** • F.C.C **10 11**  
• BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** VLA-ED (Al) 2 mg/m3**SPECIFICATIONS:**

Assay (Compl.) calc. a.d.s.	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	>=3,0

**Maximum limit of impurities**

Insoluble matter in H2O	0,02 %
Loss on drying at 300°C	45,0-48,0 %
Chloride (Cl)	0,005%
Phosphate (PO4)	0,005 %
Residual solvents (Ph.Eur/USP)	passes test
Alkali and alkaline-earth salts	0,5%

Heavy metals (as Pb)	0,002%
Fe	0,002 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm