

**PRODUCT CODE: 141097****Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade**

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AlCl<sub>3</sub>.6H<sub>2</sub>O

M.= 241,45

CAS [7784-13-6]

EINECS 231-208-1

TARIC 2827 32 00 00

**PHYSICAL DATA:** crystalline powder, White to light yellowish, Soluble in water 1.330 g/l at 20 °C Thermal decom. above 100 °C • D 2,398 • pH(50g/l)2,5 •

**BIBLIOGRAPHY:** Merck Index **12**, 348 13, 335 Sax **AGZ000** • Safety **2** , **112 B** • Römp **8** , **152** • BP.**2020** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) •

**HAZARDOUS:** RTECS: BD 0530000 • LD50 oral rat 3.311 mg/kg • VLA-ED (Al) 2 mg/m3



H: H319 • H315 •

P: P264 • P280 • P302+P352 • P305+P351+P338 • P321 • P501 • P332+P313 • P337+P313 • P362 •

**SPECIFICATIONS:**

Assay (Compl.)	95,0-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test

**Maximum limit of impurities**

Appearance of solution	passes test
Insoluble matter in H2O	0,02 %
Ammonium (NH4)	0,05%
Sulfate (SO4)	0,01%

Residual solvents (Ph.Eur/USP)	passes test
Alkali and alkaline-earth metals	0,5%
Water (H <sub>2</sub> O)	42,0-48,0 %
Fe	0,001 %
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	0,8 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