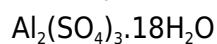
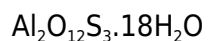


**PRODUCT CODE: 191101****Aluminium Sulfate 18-hydrate (BP, Ph. Eur.) pharma grade**

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M.= 666,42

CAS [7784-31-8]

EINECS 233-135-0

TARIC 2833 22 00 00

**PHYSICAL DATA:** Small crystals, White, Soluble in water 600 g/l at 20 °C M.P.: 90 °C • pH(2 % solution) 2,5 - 4,0 •**BIBLIOGRAPHY:** Merck Index **12**, 381 13, 365 Römp **8**, **158** • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **IV22 1023** •**HAZARDOUS:** RTECS: BD 1700000 • LD50 oral mus 6.207 mg/kg • VLA-ED (Al) 2 mg/m<sup>3</sup>

H: H318 •

P: P280 • P305+P351+P338 • P310 •

**SPECIFICATIONS:**Assay (Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>) (Compl.)

51,0-59,0 %

Identity :

Identity according to Pharmacopoeias:

passes test

pH sol. 2%

2,5-4,0

**Maximum limit of impurities**

Appearance of solution

passes test

Insoluble matter in H<sub>2</sub>O

passes test

Chloride (Cl)	0,05%
Ammonium (NH <sub>4</sub> )	0,05%
Alkali and alkaline-earth salts	0,4 %
Residual solvents (Ph.Eur.)	passes test
Heavy metals (as Pb)	0,004%
<b>Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)</b>	
<b>Class 1A (Pt, Pd)</b>	<b>10 ppm</b>
<b>Class 1B (Ir, Rh, Ru, Os)</b>	<b>10 ppm</b>
<b>Class 1C (Mo, Ni, Cr, V)</b>	<b>25 ppm</b>
<b>Class 2 (Cu, Mn)</b>	<b>250 ppm</b>
<b>Class 3 (Zn)</b>	<b>1.300 ppm</b>
As	0,0003 %
Fe	0,01 %

Ed.: 4 . Vig.: 02.08.2013 .

Prod.: 191101