

Product data

AluAX

Sodium Aluminate 8911

Product Description	Possibilities of application	Physical / Chemical Analysis
<p>8911 Sodium Aluminate (AluAX) is a solution of $\text{Na}_2\text{Al}_2\text{O}_4$ with a $\text{Na}_2\text{O}/\text{Al}_2\text{O}_3$ Mole Ratio of typically 1.80.</p> <p>AluAX is an economical source of high reactive aluminium of high purity.</p> <p>AluAX is a transparent yellowish liquid.</p> <p>AluAX is produced by reacting alumina hydroxide with sodium hydroxide. Our unique manufacturing process produces a material that is free of precipitates. This means that AluAX is stable over a wider range of handling and storage conditions.</p>	<p>Admixture for sprayed concrete</p> <p>Water treatment</p> <p>Wastewater treatment</p> <p>Paper production</p> <p>Pigment industry</p> <p>Production of catalysts</p> <p>Pharmaceutical industry</p> <p>Precautions</p> <p>AluAX can degrade aluminium, copper, brass, chromium and electroplated items. Pumps and the like should be made of artificial material, iron or steel.</p> <p>AluAX must not come in contact with water before processing because of risk of precipitation.</p> <p>Never apply air pressure to delivery containers or storage tanks, because air in the product can make it precipitate.</p> <p>Read the Safety Data Sheet (SDS) before using the product.</p>	<p>CAS no.: 1302-42-7</p> <p>Al / Na-content: (analysed by fully automatic titration)</p> <p>Al_2O_3: 18.7 ^{W/w} % ± 0.5</p> <p>Na_2O: 20.5 ^{W/w} % ± 0.5</p> <p>Appearance: Transparent</p> <p>Bulk density (20 °C): 1.47 kg/l ± 0.02</p> <p>pH (20 °C): 13.0 ± 1</p> <p>Iron (Fe) <50 ppm</p> <p>Heavy metals (≤):</p> <p>Antimony (Sb) 0.0056 mg/kg</p> <p>Arsenic (As) 0.0028 mg/kg</p> <p>Cadmium(Cd) 0.00029 mg/kg</p> <p>Chromium (Cr) 0.20 mg/kg</p> <p>Cobalt (Co) 0.0034 mg/kg</p> <p>Copper (Cu) 0.0037 mg/kg</p> <p>Lead (Pb) 0.16 mg/kg</p> <p>Mercury (Hg) 0.00034 mg/kg</p> <p>Nickel (Ni) 0.0069 mg/kg</p> <p>Selenium (Se) 0.034 mg/kg</p> <p>Zinc (Zn) 1.7 mg/kg</p> <p>Viscosity:</p> <p>-10 °C 4260 cP</p> <p>-5 °C 2350 cP</p> <p>0 °C 1150 cP</p> <p>8 °C 380 cP</p> <p>16 °C 160 cP</p> <p>25 °C 90 cP</p> <p>50 °C 37 cP</p> <p>80 °C 18 cP</p>