

	TECHNICAL DATA SHEET		Document No	HACCP 03
			Date of publication	01.01.2013
			Revision date & no.	01 / 01.07.2015
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PRODUCT	ALUMINIUM SULPHATE, SOLID Formula: Al ₂ (SO ₄) ₃ .14,33H ₂ O			
LEGAL BASIS	TS EN 878			
CHEMICAL COMPONENT	H ₂ SO ₄ , Al(OH) ₃ , H ₂ O			
CHEMICAL PROPERTIES	Al ₂ O ₃	17% min		
	Fe ₂ O ₃	0.02%max		
	Insoluble substance	23 g/kg Al max		
	pH	Min 3,50		
	Arsenic (As) max.	14mg/kg Al		
	Cadmium (Cd) max.	3 mg/kg Al		
	Chrome (Cr) max.	30 mg/kg Al		
	Mercury (Hg) max.	4 mg/kg Al		
	Nickel (Ni) max.	20 mg/kg Al		
	Lead (Pb) max.	40 mg/kg Al		
	Antimony (Sb) max.	20 mg/kg Al		
	Selenium (Se) max.	20 mg/kg Al		
PHYSICAL PROPERTIES	White, Solid Particle sizes : 0-0,5 mm, 0-0,7 mm, 0-1 mm, 0-2 mm, 0-5 mm, 0,5-2 mm, 0,5-3 mm, 0,7-3 mm, 0,5-5 mm, 1-3 mm, 1-5 mm, 0-10 mm, 2-10 mm, 8-25 mm 8-75 mm, 20-75 mm			
MICROBIOLOGICAL PROPERTIES	NONE			
PRODUCT CONTROL	pH	Min 3,50		
	Al ₂ O ₃	17% min.		
	Insoluble substance	23 g/kg Al max		
	Appearance	White		

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PACKAGING	25KG BAGS - 50KG BAGS – BIGBAG WRAPPED, PALLETISED / NON - PALLETIZED		
LABELLING AND SHELF LIFE	Product name, trade class, type, net mass, endorsed on it the words “accord with EN 878”, warning signs and warning text 001/16/A/M (product traceability number) Shelf life: 3 years		
STORAGE	- Do not allow contact with chlorite, hypochlorite, sulfides. - Highly reaction with some metal surfaces(galvanized metal, aluminium, copper, zinc and metal alloys etc.) - Environment should be moisture-free. - Does not touch with wall and floor - stacking height 2 meters max.		
DELIVERY	By container(sea), land truck, truck(stretching with a tarp)palletless /palletized or bulk delivery		
INTENDED USAGE	It varies according to process and usage area. It is used in solution directly or watered.		
COMMON USE AREAS	Aluminum sulfate is mainly used for turbidity water purification, also used as a precipitating agent, fixing agent, fillers, etc. It is used as antiperspirant cosmetic ingredients (astringent) in cosmetics. In addition, aluminum sulfate can also be used as paper industry sizing agent (rosin sizing, so that the color will be attached to the paper), leather tanning agents, mordant, purifying agent (flocculant, the resulting aluminum hydroxide floc may be coated with microparticles suspended in the water to promote rapid sedimentation separation), foam fire extinguisher inside agent (outside agent is sodium bicarbonate, carbon dioxide is generated after the reaction), raw materials for manufacturing alum, and white aluminum, oil bleaching, deodorization agent; for impurities removal of oil, water, etc, lake raw materials, waste water treatment agent, waterproof concrete materials, fireproof raw Materials, reducing the ph of soil in agriculture.		