



Product Specification

cdhfinechemical.com

ALUMINIUM SULPHATE AR/ACS, (HEXADECAHYDRATE) MEETS ANALYTICAL SPECIFICATION OF IP, BP, USP, PH. EUR.

PRODUCT CODE	454555	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(16828-11-8)	
ATOMIC OR MOLECULAR FORMULA	$Al_2(SO_4)_3 \cdot 16H_2O$	$[Al^{3+}]_2 [O-S(=O)_2-O^-]_3 \cdot 16 H_2O$
ATOMIC OR MOLECULAR WEIGHT	630.38	
PROPERTIES	--	

PARAMETER	LIMIT
Description	White crystals or powder.
Solubility	5% solution in water is not more opalescence than std OS ₃ and colourless.
Identification	Passes tests.
Assay(As $Al_2(SO_4)_3 \cdot 16H_2O$)	99.5 - 102.0%
[As $Al_2(SO_4)_3$]	54.0 - 59.0%
pH of (2% solution in water)	2.5 to 4.0

MAXIMUM LIMIT OF IMPURITIES	
Water	41 – 46%
Insoluble matter	0.005%
Alkalies& alkaline earth metals	0.4%
Ammonium (NH ₄)	0.02%
Chloride (Cl)	0.005%
Arsenic (As)	0.0003%
Calcium (Ca)	0.01%
Copper (Cu)	0.005%
Heavy metals (as Pb)	0.001%
Iron (Fe)	0.002%
Lead (Pb)	0.001%
Magnesium (Mg)	0.002%
Potassium (K)	0.005%
Sodium (Na)	0.02%
Organic volatile impurities	Meets the requirement .

Note(s) : Assay (if applicable) method mentioned.

WARNING	IMDG Code : --
Hazard statements: Not hazardous. No hazards.	UN No. : --
Precautionary statements	IATA : --
Prevention: -----	
Response: -----	
Disposal: -----	

Hazard Pictogram(s) :-----

Replace Date 10-Aug.-2018