



Product Specification

cdhfinechemical.com

AMMONIUM FERRIC SULPHATE AR/ACS DODECAHYDRATE

PRODUCT CODE	457050
SYNONYMS	Ammonium iron (III) sulphate, Iron alum
C.I. NO.	—
CASR NO.	7783-83-7
ATOMIC OR MOLECULAR FORMULA	$\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	482.18
PROPERTIES	Melting point -39°C; Lilac to violet, efflorescent crystals.



PARAMETER	LIMIT
Description	Pale violet or almost colourless crystals or crystalline powder.
Solubility	10% solution in water is clear.
Minimum assay (Iodometric)	99.0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter	0.01%
Chloride (Cl)	0.001%
Calcium (Ca)	0.01%
Copper (Cu)	0.003%
Ferrous iron	No reaction
Magnesium (Mg)	0.005%
Zinc (Zn)	0.003%

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

WARNING

Hazard statements: Not hazardous. No hazards.

Precautionary statements

Prevention: -----

Response: -----

Disposal:-----

Hazard Pictogram(s) :-----

IMDG Code : --

UN No. : --

IATA : --

Replace Date 25-Sep-2025