

1. Product and Company Identification

www.rxmarine.com

Product Name

:Ammonium Iron II Sulfate Hexahydrate Cryst .P

Part Number

:RXSOL-60-6122-250

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai, Chennai, Vizag, Kolkata, UAE, Oman.

Phone +91 22 27815540 / 41 / 42

Fax +91 22 2781 1318 ::::AOH :0091 9821214367

Email 123@rxmarine.com

Website www.rxmarine.com

Certificate of Analysis

Product Name:Ammonium Iron Ii Sulfate Hexahydrate Cryst .Pure

Product Number:RXSOL-60-6122-250

CAS Number:7783-85-9

Formula:H8FeN2O8S2 · 6H2O

Formula Weight:392.14 g/mol

9. Physical and chemical properties

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Test	Specification	Result
Appearance (Color) Light Green to Blue	Conforms to Requirements	Faint Blue
Appearance (Form) Crystals or Crystalline Powder	Conforms to Requirements	Crystals
Titration by KMNO4 % Iron	13.8 - 14.7 %	14.1 %
ICP Major Analysis Confirms Iron and Sulfur Components	Confirmed	Confirmed
Purity 99.997% Based on Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 35.0 ppm	17.8 ppm
Silver (Ag)		0.1 ppm
Aluminum (Al)		0.7 ppm
Barium (Ba)		< 0.1 ppm
Calcium (Ca)		0.8 ppm
Cadmium (Cd)		0.2 ppm
Cobalt (Co)		1.2 ppm
Chromium (Cr)		0.4 ppm
Copper (Cu)		0.2 ppm
Magnesium (Mg)		0.1 ppm
Manganese (Mn)		0.1 ppm
Sodium (Na)		1.0 ppm

Nickel (Ni)	0.9 ppm
Lead (Pb)	4.7 ppm
Antimony (Sb)	4.5 ppm
Tin (Sn)	2.0 ppm
Strontium (Sr)	< 0.1 ppm
Titanium (Ti)	< 0.1 ppm
Zinc (Zn)	0.6 ppm
Zirconium (Zr)	0.3 ppm

9. Physical and chemical properties

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Form	Liquid
Colour	Dark brown
Odour	Hydrocarbon-like.
Odor Threshold	No Information Available
pH	Not Applicable
Melting Point	< -40 °F (< -40 °C)
Boiling Point	348.8 °F (176 °C)
Flash Point	150.1 °F (65.6 °C) Pensky-Martens Closed Cup
Evaporation Rate	< 1 (Ether =1)
Flammability (solid, gas)	Not Applicable
Explosive limits Lower / Uper	Not Available
Vapour pressure	< 5 mm Hg @ 21°C
Vapour Density	> 1 (Air =1)
Secific Gravity	1.42
Decomposition Temperature	No information available
Partition coefficient	No data available
Autoignition Temperature	No data available
Solubility in Water	Not Soluble
Viscosity	< 400 cSt @ 60°F
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pour point	< -40 °C

Product Name	Vanadium Inhibitor (RXSOL ORG 70)
Part Number	RXSOL-81-1770-210

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