



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

Catalogue Number: A634045

CAS Number: 7783-85-9

Product: Ammonium Iron(II) Sulfate Hexahydrate (Mohr's Salt)

Synonym: Ammonium Ferrous Sulfate Hexahydrate;

Structure: $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$

Molecular Formula:

$\text{FeH}_8\text{N}_2\text{O}_8\text{S}_2 \cdot 6(\text{H}_2\text{O})$

Molecular weight:

284.05+6(18.02)

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Soluble)

Lot Number: 1-DOS-74-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Blue to Light Blue Solid	Pale Blue Solid
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%H: 5.06, %N: 7.09
Ammonium Content	Report Result	6.13% by Ion Chromatography
Sulfate Content	Report Result	53.35% by Ion Chromatography
Water Content	Report Result	23.6% by Karl Fischer

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	7/5/2021	7/3/2025