

## Certificate of Analysis

**Material Name:** Ammonium sulphate, Hi-AR™**CAS Number :** 7783-20-2**Material Code :** GRM1273**Molecular Formula :** (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>**Lot Number :** 0000472828**Report No :** 10000463404

TEST	SPECIFICATIONS	RESULTS
Appearance	White hygroscopic crystals or powder or solid	White hygroscopic crystals
Solubility	100 mg soluble in 1 mL of water	Complies
pH (5 % in water at 25°C)	4.50 - 6	5.26
Loss on drying (at 100°C, 1 hr)	<= 0.1%	0.086%
Arsenic (As)	<= 0.00002%	Nil
Calcium (Ca)	<= 0.001%	0.005081%
Chloride (Cl)	<= 0.0003%	Complies
Copper (Cu)	<= 0.0002%	Nil
Insoluble matter	<= 0.001%	Complies
Iron (Fe)	<= 0.0002%	0.000435%
Lead (Pb)	<= 0.0002%	Nil
Magnesium (Mg)	<= 0.0005%	0.001625%
Nitrate (NO <sub>3</sub> )	<= 0.001%	Complies
Non-volatile matter	<= 0.01%	Complies
Phosphate (PO <sub>4</sub> )	<= 0.0005%	Complies
Assay (NaOH-back Titration)	99.50% - 102%	101.63%

STATUS : APPROVED

QC Release Date : 2021-03-09

Expiry Date : 2025-03-06

  
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This is to certify that this lot passes and it confirms to the above mentioned tests and specifications . The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particulars use, other than that specified in the current technical data.

This document has been produced electronically and is valid with out signature.