



Energizing Chemistry

Lanxess Corporation

Polymers Division

358 Three Rivers Parkway Addyston, OH 45011

Distribution of information contained in this document must be approved by the Quality Assurance Department



Lanxess Material Specification

Title: Magnesium Sulfate 21 Percent

Specification No. RMS0026A

Revision: 2

Department:

Document is in the Approval Process, and requires 2 approval(s)

Document Type:

Raw Material

Product Information:

Market Area:

Purchasing

Product Line:

Material Name:

Magnesium Sulfate 21%

Supplier:

Gies Chemical

Other Names:

Magnesium Sulfate Solution, 21%, Epsom Salt Solution, 21% in water

SAP Article Code:

8082807

CAS Number:

7487-88-9

1.0 Product Specification:

RMS Acceptance Criteria

	Specification Attribute Name	Specification Attribute Value
1.	Appearance	Clear and free
#2.	Specific Gravity, 25/25°C	1.2270 - 1.2520
#3.	pH	7.2 - 9.2
4.	Iron, ppm	10 max
5.	Chloride, ppm	70 max
6.	Manganese, ppm	8 max
7.	Color (APHA)	30 max
8.	Refractive Index @ 25°C	1.3744 - 1.3786
#9.	Assay, %	20.5 - 21.5
10.	Arsenic, ppm	1.5 max
11.	Calcium, ppm	350 max

12.	Heavy Metals, ppm	5 max
13.	Silica Dioxide, ppm	10 max
14.	Selenium, ppm	30 max

Requires Supplier Certificate Of Analysis (COA), Supplier Letter Of Compliance, or LANXESS test results with conforming values

2.0 Special Requirements:

3.0 Safety & Environmental Information:

4.0 Associated Documents:

5.0 Document Revision History :

Revision: 2

Date Created: 06/24/2005

Last Approval Date: 06/24/2005

Date of Last Revision: 07/14/2005

Document Author:
Darren-C Wells

Document Manager:
Michael-W Brown

6.0 Reason for Change:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	6/05
2		<ul style="list-style-type: none"> Calcium spec changed from 250 ppm max to 350 ppm max to meet supplier spec 	7/05

7.0 Notification List:

East Poly RM

8.0 Approvals:

First Approver's Signature

Name: Bryan Mulletley
Title: Quality Assurance Manager

Second Approver's Signature

Name: Alan-R Lindsey
Title: Technical Support Manager

Third Approver's Signature

Name: Brian Laplante
Title: Product Safety

Jul 13 2005 3:09:23 PM EDT - Approved by: Brian Laplante/LXAAS/USERS/LANXESS

Fourth Approver's Signature

Name: Neil-E Henkes
Title: Distribution Manager

Jul 14 2005 12:31:37 PM EDT - Approved by: Neil E. Henkes/MIDMT/USERS/LANXESS