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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Anhydrous Magnesium Sulfate, USP  
**PRODUCT NUMBER:** ECMAG  
**LOT NUMBER:** 320220-BS

<u>Test</u>	<u>Specification Values</u>	<u>Lot Analysis</u>
Appearance:	White powder	Pass
Assay:	99.5% Min.	100.0%
LOI:	2.0% Max.	0.4%
Ammonium:	0.004% Max.	0.0004%
Arsenic:	0.0001%	0.00001%
pH (5%):	5.0 - 9.2	9.0
Calcium:	0.04% Max.	0.040%
Chloride:	0.001% Max.	0.00025%
Heavy metals:	0.001% Max.	0.0001%
Iron:	0.001% Max.	0.0001%
Manganese:	0.001% Max.	0.0005%
Nitrate:	0.004% Max.	0.004%

*The shelf life for this product is 5 years from the date of shipment.  
The shelf life is only valid if the material is stored in the original unopened container.  
The test methods and specifications were current when the product was lotted.*

**CERTIFIED BY:**  
**NAME:** L. Bender

**TITLE:** QC Analyst

**Certificate issue DATE:** 08/16/2023

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