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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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