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## CERTIFICATE OF ANALYSIS

PRODUCT NUMBER: ECMSMC  
PRODUCT NAME: Anhydrous Magnesium Sulfate, USP  
LOT NUMBER: 077352-BQ

<u>Test</u>	<u>Specification Values</u>	<u>Lot Analysis</u>
Appearance:	White powder	Pass
Assay:	99.5% Min.	100.1%
LOI:	2.0% Max.	0.30%
Ammonium:	0.004% Max.	0.0004%
Arsenic:	0.0001%	0.00001%
pH (5%):	5.0 - 9.2	8.7
Calcium:	0.04% Max.	0.040%
Chloride:	0.001% Max.	0.00025%
Iron:	0.001% Max.	0.0001%
Manganese:	0.001% Max.	0.0005%
Nitrate:	0.004% Max.	0.004%

- Total sorbent weight per tube (300mg) 285min -315max Conforms
- All components of this product are individually weighed. The mass of each raw material meets method required tolerances.

*The shelf life for this product is 2 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:** 07/12/2023

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