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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Anhydrous Magnesium Sulfate, USP
PRODUCT NUMBER: ECMAG
LOT NUMBER: 226040-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%
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: D. Shawn Ream

TITLE: QC MANAGER

Certificate issue DATE: 04/26/2023

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