

## Certificate of Analysis - PIQ02192025-4848

### Arrow Supplements

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**Date Received:** 02/19/2025

**Date Reported:** 02/26/2025

**Product Name:** Magnesium Bisglycinate Chelate 10%

**Date Sampled:** 02/14/2025

**Lot/Batch Number:** BN12000004705

**Product Code:** N/A

Chemical name	Identity Test result	
Magnesium Bisglycinate	Positive identification	
Purity (%)	LOD (mg)	LOQ (mg)
76.61 ± 4.52	0.003	0.0351

Definitions:

LOD - Limit of Detection

LOQ - Limit of Quantification

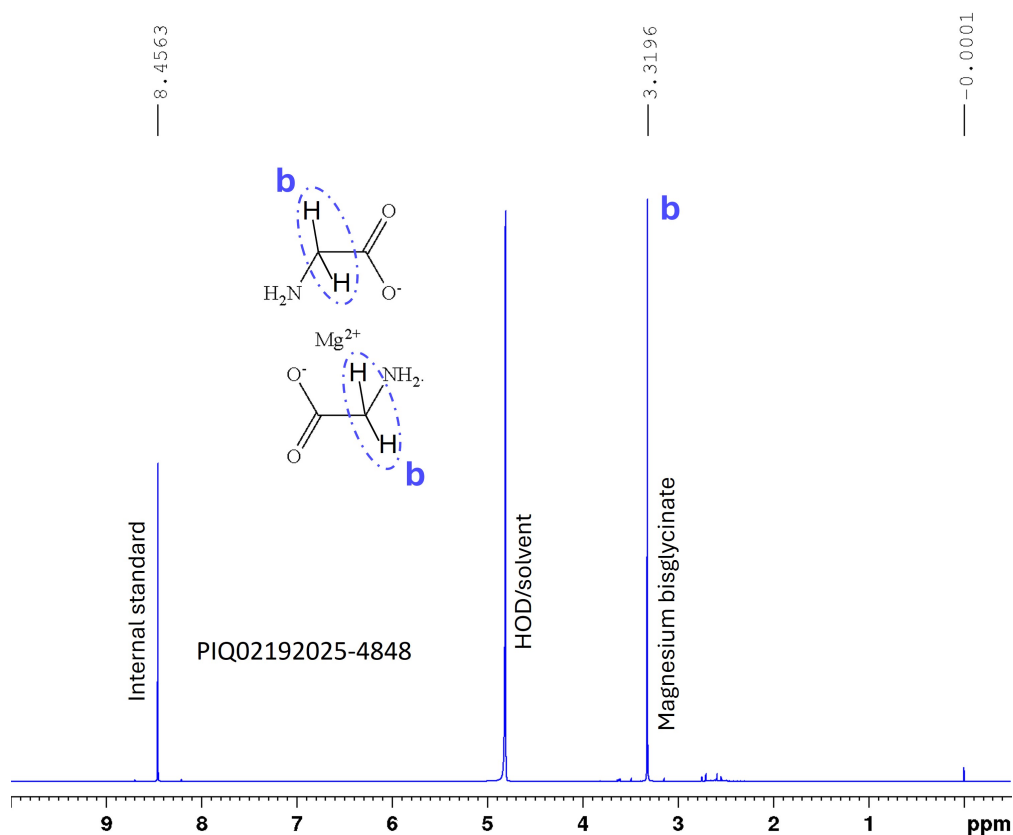
Positive identification:

The molecular structure complies with the product name.

Negative identification:

The molecular structure does not comply with the product name.

## 1H NMR Spectrum



### Molecular Diagnostic Test Method (PIQ-MTD-011)

Molecular identity and percent purity are assessed using Nuclear Magnetic Resonance (NMR) methodology. Molecular diagnostics in this test utilize structural analysis through <sup>1</sup>H NMR peak assignments and purity assessment using established quantification methods. The molecular concentration (mg/g) and/or purity (%) are determined through spectral analysis and peak integration methods based on validated linear regression models.

The results and conclusions presented in this report are true and accurate to the best of Purity-IQ's knowledge. However, the advanced molecular diagnostics employed can very rarely give rise to inconclusive, or incongruent results, and in such cases corroboration of this result by repeat testing, or different analytical methods may be warranted. Sample(s) received in acceptable condition. This Certificate of Analysis pertains only to the above sample(s) analyzed. This report shall not be altered, modified, copied or reproduced, except in its entirety. © 2025 Purity-IQ Inc. All Rights Reserved.

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