Rainwood NUTRITION

SPECIMEN COA
RN-SPEC-COA-01 · 14783-68-7

Specimen certificate of analysis

Magnesium Bisglycinate · 1:2 magnesium–glycine chelate, anhydrous basis · $Mg(C_2H_4NO_2)_2$

SPECIMEN FORMAT — NOT A BATCH RECORD. A RELEASED LOT CARRIES THE LOT NUMBER AND ITS OWN RESULTS.

PRODUCT	CAS	LOT NUMBER	MANUFACTURE DATE
Magnesium Bisglycinate	14783-68-7	[lot on release]	[on release]
RETEST / EXPIRY	SPECIFICATION		
[on release]	RN-SPEC-MAGNESIU		

RESULTS

PARAMETER	METHOD	RELEASE LIMIT	RESULT
Magnesium (Mg)	As stated	13.5–14.2% (complexometric EDTA)	[result]
Glycine	As stated	84.0–88.0% (HPLC)	[result]
Mg : glycine ratio	Visual / calculated	1 : 2 molar (calculated)	[result]
Free glycine	As stated	≤1.0% (HPLC)	[result]
Appearance	Visual / calculated	White to off-white crystalline powder	[result]
pH (5% suspension)	Visual / calculated	8.5–11.5	[result]
Loss on drying	Visual / calculated	≤8.0%	[result]
Particle size	Visual / calculated	≥95% through 40 mesh	[result]
Bulk density	Visual / calculated	0.55–0.90 g/mL	[result]
Heavy metals	Visual / calculated	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	[result]
Microbiology	Visual / calculated	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	[result]

PARAMETER	METHOD	RELEASE LIMIT	RESULT
Aerobic plate count	ISO 4833	≤1,000 cfu/g	[result]
Yeast and mould	ISO 21527	≤100 cfu/g	[result]
E. coli	ISO 16649	Absent / g	[result]
Salmonella	ISO 6579	Absent / 25 g	[result]

How to read the specimen. The parameter list and the method column are fixed; the result column is completed for each released lot. A certificate that reports a result without the method cannot be compared with another supplier's certificate, even when both say “passes”.

RELEASE AND TRACEABILITY

FIELD	WHAT IT CONTAINS
Manufacturing site	The site that produced the lot, with the site code used in the supplier file.
Retained sample	The sample held from the lot and the retention period agreed in the qualification file.
Release decision	Released, rejected or reworked; a result outside the limit is not averaged into a pass.
Signature	The person who released the lot, and the date of release.
Third-party report	Where commissioned, the laboratory, the sample identity and the panel tested.

STATEMENT

This specimen is a format, not a batch record. It does not report a result for a specific lot and must not be presented as a COA for a shipment. The batch COA is issued against the specification agreed in the quotation and carries the lot number that appears on the drum.

No therapeutic or disease claim is made for the material. Certification is a facility-level statement; product-level coverage is confirmed per quotation and is never implied by this document.

Contact for the batch file. Rainwood Nutrition · info@rainwoodbio.com · nutrition.rainwoodbio.com