Rainwood NUTRITION

SPECIMEN CERTIFICATE OF ANALYSIS
RN-085 · SPECIALTY

Chitosan

$(C_6H_{11}NO_4)_n$ · CAS 9012-76-4 · Deacetylated chitin, powder or flakes

SPECIMEN — LIMITS ONLY · BATCH RESULTS ISSUED WITH THE LOT

PRODUCT	CHEMICAL FORM	CAS	SPECIFICATION VERSION
Chitosan	Deacetylated chitin, powder or flakes	9012-76-4	Catalog · confirmed at quotation
BATCH NUMBER	**MANUFACTURE DATE**	**RETEST DATE**	**RELEASE DECISION**
Issued with the lot	Issued with the lot	Issued with the lot	Issued with the lot

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	METHOD
Degree of deacetylation	≥85% (titration)	As stated
Viscosity (1% in 1% acetic acid)	50–200 mPa·s	As stated
Appearance	Off-white to pale yellow powder or flakes	As stated
Moisture	≤10.0%	As stated
Ash	≤1.0%	As stated
Insoluble matter	≤1.0%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	Chitosan ≥85% deacetylated	Identity
Solubility	Soluble in dilute acetic acid; insoluble in water and in neutral or alkaline solutions.	Matrix dependent

LOT FIELDS

A batch-specific certificate replaces the fields above with the measured result, the method actually used, the batch number, the manufacture and retest dates, and the release signature. The catalog limits on this page are the release window, not a result.

STATEMENT

This specimen shows the format and the release specification. It is not a batch COA and must not be presented as one. The COA that ships with a lot is issued from the released batch and is available before dispatch.

Pack and storage. 1 kg foil pouch · 25 kg fiber drum. Store closed in a cool, dry place, away from direct sunlight and moisture. The lot-specific retest date is shown on the batch certificate.