Calcium Citrate

$C_{12}H_{10}Ca_3O_{14}\cdot 4H_2O$ · CAS 813-94-5 · Calcium citrate tetrahydrate, powder

SPECIMEN — LIMITS ONLY · BATCH RESULTS ISSUED WITH THE LOT

PRODUCT Calcium Citrate	CHEMICAL FORM Calcium citrate tetrahydrate, powder	CAS 813-94-5	SPECIFICATION VERSION Catalog · confirmed at quotation
BATCH NUMBER Issued with the lot	MANUFACTURE DATE Issued with the lot	RETEST DATE Issued with the lot	RELEASE DECISION Issued with the lot

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	METHOD
Calcium (Ca)	21.0–22.0% (complexometric EDTA)	As stated
Assay (calcium citrate, dried basis)	≥97.5%	As stated
Appearance	White, odourless powder	As stated
Identification	Citrate reaction and IR conform	As stated
Loss on drying	≤13.0%	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.60–0.95 g/mL	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
Marker set	Calcium (21.0–22.0%, tetrahydrate)	Identity
Solubility	Sparingly soluble in water; soluble in dilute hydrochloric acid.	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.