# Phytosterols

*— · CAS 83-46-5 · Phytosterol powder*

**CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION**

| CHEMICAL FORM | FORMULA | CAS | PRIMARY ASSAY |
|---|---|---|---|
| Phytosterol powder | — | 83-46-5 | ≥95.0% |
| **METHOD** | **MINIMUM ORDER** | **LEAD TIME** | **STANDARD PACK** |
| GC sterol profile | 1 kg | 1–7 days | 1 kg foil pouch · 25 kg fiber drum |

## DESCRIPTION

Phytosterols specified at ≥95% total sterols by GC with a defined sitosterol, campesterol and stigmasterol profile; the sterol profile is the specification.

## SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD / NOTE |
|---|---|---|
| Total sterols (GC) | ≥95.0% | As stated |
| Beta-sitosterol | 40.0–60.0% | As stated |
| Campesterol | 20.0–30.0% | As stated |
| Stigmasterol | 15.0–25.0% | As stated |
| Appearance | White to off-white powder | As stated |
| Identification | Sterol profile conform | As stated |
| Loss on drying | ≤2.0% | 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 | Total sterols ≥95.0% (GC) | Identity |
| Solubility | Insoluble in water; soluble in fats and in organic solvents. | Matrix dependent |

## APPLICATIONS

- Capsules and tablets
- Oil-based blends

## AVAILABLE FORMS

- Powder, 80 mesh
- Granulated on request

## PACKING

## STORAGE

- 1 kg foil pouch
- 25 kg fiber drum

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

## DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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