Phytosterol Esters

— · CAS 68441-68-9 · Phytosterol esters, paste or powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Phytosterol esters, paste or powder	—	68441-68-9	≥90.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
GC sterol and ester assay	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Phytosterol esters specified at ≥90.0% ester content with a defined sterol profile; the esters and free phytosterols are different products with different solubility and label arithmetic.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Ester content (GC)	≥90.0%	As stated
Total sterols	≥55.0%	As stated
Acid value	≤1.0 mg KOH/g	As stated
Peroxide value	≤5.0 meq O_2/kg	As stated
Appearance	White to off-white paste or powder	As stated
Identification	Sterol profile conform	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	Phytosterol esters ≥90.0%; total sterols ≥55.0%	Identity
Solubility	Insoluble in water; soluble in fats and in organic solvents.	Matrix dependent

APPLICATIONS

- Softgel capsules
- Oil-based blends
- Fat-based spreads

AVAILABLE FORMS

- Paste
- Powder on carrier 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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