Vitamin E

$C_{31}H_{52}O_3$ · CAS 7695-91-2 · dl-alpha-Tocopheryl acetate 50% water-dispersible powder

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
dl-alpha-Tocopheryl acetate 50% water-dispersible powder	$C_{31}H_{52}O_3$	7695-91-2	50.0–55.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Tocopheryl acetate	50.0–55.0% (HPLC)	Analytical
Appearance	White to off-white, free-flowing powder	Specification
Identification	HPLC retention time conforms	Analytical
Loss on drying	≤5.0%	Specification
Carrier	Modified starch and silicon dioxide, declared	Specification
Dispersibility	Dispersible in cool water, forming a milky emulsion	Specification
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	Specification
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Particle size	100% through 40 mesh	Sieve
Marker set	Tocopheryl acetate (50.0–55.0%, HPLC)	Identity / ratio
Appearance	White to off-white, free-flowing powder	Visual
Solubility	Dispersible in cool water, forming a milky emulsion; the vitamin itself is fat-soluble.	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes
- Gummies and chews
- Functional beverages

AVAILABLE FORMS

- 50% water-dispersible powder
- Oil on request
- Granulated on request

WHAT TO CONFIRM BEFORE ORDERING

- Name the form: tocopheryl acetate, tocopherol and tocopheryl succinate are different label ingredients and different potencies.
- Ask for the carrier and the dispersibility; a 50% powder is a formulation, not pure vitamin E.
- Confirm the assay basis and the overage policy for the matrix you will use.
- Vitamin E is sensitive to oxygen and light; the pack and the antioxidant strategy belong in the specification.

> **Indicative document.** This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The form, hydrate state, ligand ratio and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Form, hydrate state, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, dosage form and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

No claim is made here. This sheet does not claim a therapeutic effect, a product certification or a regulatory approval. Health claims belong to the brand that makes them and to the market that authorises them.

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