Chromium Picolinate

$C_{18}H_{12}CrN_3O_6$ · CAS 14639-25-9 · Chromium picolinate, crystalline

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Chromium picolinate, crystalline	$C_{18}H_{12}CrN_3O_6$	14639-25-9	12.2–12.4% (ICP-OES)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
ICP-OES	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Chromium picolinate specified at 12.2–12.4% elemental chromium, for capsules and tablets where the picolinate identity and the low dose make the blend the real specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Chromium (Cr)	12.2–12.4% (ICP-OES)	As stated
Appearance	Purple-red to red-brown crystalline powder	As stated
Identification	IR and HPLC conform	As stated
Loss on drying	≤0.5%	As stated
Residue on ignition	≤0.2%	As stated
Particle size	≥95% through 40 mesh	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	Chromium (12.2–12.4%, ICP-OES)	Identity
Solubility	Sparingly soluble in water; the low dose usually needs a dilution.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Crystalline powder, 40 mesh
- 1% dilution on request
- 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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