Sodium Cyclamate

$C_6H_{12}NNaO_3S$ · CAS 139-05-9 · Sodium cyclamate, crystalline powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Sodium cyclamate, crystalline powder	$C_6H_{12}NNaO_3S$	139-05-9	98.0–101.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC or titration	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A sodium cyclamate for cost-sensitive sweetening, supplied with the salt form, assay and solubility data for the application.

SWEETNESS

30–50 × sucrose, indicative

TASTE NOTE

Sweet with a slower onset and a slight bitter note; usually blended with another high-intensity sweetener.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (dried basis)	98.0–101.0%	As stated
Cyclohexyl sulfamate	≥98.0%	As stated
Appearance	White crystalline powder	As stated
Moisture	≤1.0%	As stated
pH (10% solution)	5.5–8.0	As stated
Solubility	Freely soluble in water	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.55–0.85 g/mL	As stated
Heavy metals	Pb ≤0.5 · As ≤0.5 · Cd ≤0.5 · 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 / profile	Sodium cyclamate 98.0–101.0%	Identity
Solubility	Freely soluble in water; clear solutions at use levels.	Matrix dependent
Starting use level	0.02–0.15% in beverages, depending on the market and the blend	Application dependent
pH behaviour	Stable across normal food pH.	Matrix dependent

APPLICATIONS

- Beverages
- Tabletop
- Confectionery
- Dairy
- Sauces

AVAILABLE FORMS

- Powder, 80 mesh
- Granular
- Liquid on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

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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