L-Selenomethionine

$C_5H_{11}NO_2Se$ · CAS 3211-76-5 · L-selenomethionine, crystalline

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
L-selenomethionine, crystalline	$C_5H_{11}NO_2Se$	3211-76-5	97.0–103.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC and ICP-MS	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

L-selenomethionine specified at 97.0–103.0% and 39.0–41.0% selenium, for capsules and tablets where the organic selenium form, the rotation and the selenium figure have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (as-is basis)	97.0–103.0% (HPLC)	As stated
Selenium (Se)	39.0–41.0% (ICP-MS)	As stated
Appearance	White to off-white crystalline powder	As stated
Identification	IR conforms	As stated
Specific rotation	+17.0° to +19.5°	As stated
Loss on drying	≤0.5%	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 40 mesh	As stated
Marker set	L-selenomethionine 97.0–103.0%; Se 39.0–41.0%	Identity
Solubility	Soluble in water; the solution is clear and colourless.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Crystalline powder, 40 mesh
- Milled to 80 mesh on request
- Dilution 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.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · nutrition.rainwoodbio.com