MSM

$C_2H_6O_2S$ · CAS 67-71-0 · Methylsulfonylmethane, crystalline

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM Methylsulfonylmethane, crystalline	FORMULA $C_2H_6O_2S$	CAS 67-71-0	PRIMARY ASSAY 99.0–101.0% (HPLC)
METHOD HPLC	MINIMUM ORDER 1 kg	LEAD TIME 1–7 days	STANDARD PACK 1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Methylsulfonylmethane specified at 99.0–101.0% on the anhydrous basis with ≥99.8% chromatographic purity, for capsules and powder blends where the purity and the melting range have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (anhydrous basis)	99.0–101.0% (HPLC)	As stated
Chromatographic purity	≥99.8%	As stated
Appearance	White crystalline powder	As stated
Melting range	108.5–110.5 °C	As stated
Loss on drying	≤0.5%	As stated
Residue on ignition	≤0.1%	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	MSM 99.0–101.0%; chromatographic purity ≥99.8%	Identity
Solubility	Freely soluble in water; the solution is close to neutral.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Crystalline powder, 40 mesh
- Milled to 80 mesh on request
- Granulated 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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