# SAMe

*$C_{15}H_{22}N_6O_5S$ · CAS 29908-03-0 · S-Adenosyl-L-methionine disulfate tosylate, powder*

**CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION**

| CHEMICAL FORM | FORMULA | CAS | PRIMARY ASSAY |
|---|---|---|---|
| S-Adenosyl-L-methionine disulfate tosylate, powder | $C_{15}H_{22}N_6O_5S$ | 29908-03-0 | ≥97.0% |
| **METHOD** | **MINIMUM ORDER** | **LEAD TIME** | **STANDARD PACK** |
| HPLC | 1 kg | 1–7 days | 1 kg foil pouch · 25 kg fiber drum |

## DESCRIPTION

SAMe specified at ≥97.0% by HPLC as the disulfate tosylate salt, with the salt form, water and heavy metals; SAMe is unstable as the free base and is sold as a salt.

## SPECIFICATION

| PARAMETER | SPECIFICATION | METHOD / NOTE |
|---|---|---|
| Assay (HPLC, as salt) | ≥97.0% | As stated |
| Appearance | White to off-white powder | As stated |
| Identification | HPLC and UV conform | As stated |
| Water | ≤5.0% | As stated |
| pH (5% solution) | 2.0–4.0 | 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 | SAMe ≥97.0% (HPLC, as disulfate tosylate) | Identity |
| Solubility | Freely soluble in water; the solution is acidic. | Matrix dependent |

## APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

## AVAILABLE FORMS

- Powder
- 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.