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Certificate of Analysis

Catalogue Number 29902
Lot Number 002152-160102
Product **S-Adenosyl-L-methionine disulfate tosylate**

Ademetionine disulfate tosylate

CAS Number 97540-22-2
Molecular Formula C₂₂H₃₄N₆O₁₆S₄

Molecular Weight 766.8

Appearance White to off-white powder

Solubility Soluble in water

Heavy Metals < 10 ppm

Anion Sulfate (SO₄²⁻) = 26.3%

Cation Lead (Pb): < 3 ppm
Cadmium (Cd): < 1 ppm
Mercury (Hg): < 0.1 ppm
Arsenic (As): < 2 ppm

Water Content (Karl Fisher) 1.8%

pH 1.3 (5% Aqueous solution)

Yeast and Mold < 100 cfu/g

Infrared Spectrum Conforms to reference

E. Coli, Salmonella, S.Aureus Absent / 10 g

Related Substances S-Adenosyl-L-homocysteine: 0.10%
Adeinine: 0.4%
Methylthioadenosine: 0.2%
Adenosine: 0.1%
Total impurities: 0.3%

Ash < 0.5% (Sulfated)

Assay 96.9%

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Grade	USP
Storage	Store at 0-8 °C
Additional Information	UV absorption = 227 nm to 258 nm S, S-Isomer: 81.1% SAM-e Ion = 50.5% p-Toluenesulfonic acid = 21.6% Total aerobic count: < 1000 cfu/g
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager