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Product Specifications

Catalogue Number	46571
Product	Calcium-DL-2-hydroxy-4(methylthio)butyrate <i>α</i> -Hydroxymethionine calcium salt 2-Hydroxy-4-(methylthio)butyric acid calcium salt
CAS Number	4857-44-7
Molecular Formula	C ₁₀ H ₁₈ CaO ₆ S ₂
Molecular Weight	338.45

Appearance	White or almost white crystalline powder
Solubility	Slightly soluble in water
Odor	Characteristic
Anion	Chloride : ≤ 0.02%
Cation	Calcium : 11.66 - 12.07% (Calculated on anhydrous basis)
Water Content (Karl Fisher)	≤ 5%
pH	5.0 - 7.5
Yeast and Mold	≤ 100 cfu/g
Infrared Spectrum	Conforms to structure
Residual Solvents	Methanol : ≤ 3000 ppm
E. Coli	Should be absent
Microbial Count	≤ 1000 cfu/g (TPC)
Salmonella	Should be absent
Related Substances	Any single impurity : ≤ 0.50% Total impurity : 1%
Assay (anhydrous basis)	98.5 - 102.0%
Storage	Store at 2 - 8 °C

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For Laboratory Use Only