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Product Specifications

Catalogue Number	46572
Product	Calcium 3-methyl-2-oxovalerate hydrate α -Ketoisoleucine calcium salt 3-Methyl-2-oxovaleric acid calcium salt
CAS Number	66872-75-1
Molecular Formula	C ₁₂ H ₁₈ CaO ₆ •H ₂ O
Molecular Weight	316.36

Appearance	White or almost white crystalline powder
Solubility	Slightly soluble in water
Odor	Characteristic
Anion	Chloride : \leq 0.02%
Cation	Calcium : 13.22 - 13.70% (Calculated on anhydrous basis)
Water Content (Karl Fisher)	\leq 12%
pH	5.0 - 7.5
Yeast and Mold	\leq 100 cfu/g
Infrared Spectrum	Conforms to structure
Residual Solvents	Methanol : \leq 3000 ppm
E. Coli	Should be absent
Microbial Count	\leq 1000 cfu/g (TPC)
Salmonella	Should be absent
Related Substances	Any single impurity : \leq 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