

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	46574
Product	Calcium 3-methyl-2-oxobutyrate
Lot Number	003381-222002
	α -Ketovaline calcium salt 3-Methyl-2-oxobutyric acid calcium salt
CAS Number	51828-94-5
Molecular Formula	C ₁₀ H ₁₄ CaO ₆
Molecular Weight	270.29

Appearance	White crystalline powder
Solubility	Sparingly soluble in water
Odor	Characteristic
Anion	Chloride : < 0.02%
Cation	Calcium : 14.83% (Calculated on anhydrous basis)
Water Content (Karl Fisher)	10.67%
pH	5.49
Yeast and Mold	< 10 cfu/g
Infrared Spectrum	Conforms to structure
Residual Solvents	Methanol : 27 ppm
E. Coli	Absent
Microbial Count	50 cfu/g (TPC)
Salmonella	Absent
Related Substances	Any single impurity : 0.10% Total impurity : 0.22%
Assay (anhydrous basis)	99.28%
Storage	Store at 2 - 8 °C

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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