

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	46574
Product	Calcium 3-methyl-2-oxobutyrate 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
<hr/>	
Appearance	White or almost white crystalline powder
Solubility	Sparingly soluble in water
Odor	Characteristic
Anion	Chloride : $\leq 0.02\%$
Cation	Calcium : 14.60 - 15.13% (Calculated on anhydrous basis)
Water Content (Karl Fisher)	$\leq 13\%$
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 : $\leq 0.50\%$ Total impurity : 1%
Assay (anhydrous basis)	98.5 - 102.0%
Storage	Store at 2 - 8 °C

Product Specifications

Catalog Number: 46574

For Laboratory Use Only