



INDEXIM INTERNATIONAL

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CERTIFICATE OF ANALYSIS

Name of Product : Calcium-2-oxo-3-phenylpropionate (Alpha-Keto Analogue to phenylalanine, Calcium Salt)			
Batch No.	ZB/PA/2018/004		
Molecular formula	C ₁₂ H ₁₄ CaO ₆	Molecular weight	366.4
Batch Manufacturing Qty	400 KG	Mfg Date	MAY-2018
Date of Testing	22/05/2018	Exp Date	APRIL-2023
Date of Completion	29/05/2018		

Sr. No.	Tests	Result	Specifications
1.	Description	White or almost Crystalline Powder	White or almost Crystalline Powder
2.	Odor	Characteristic	Characteristic
3.	Solubility	Sparingly soluble in water	Sparingly soluble in water
4.	Identification	Positive	The Principal Peak in chromatogram obtained with test sample corresponds to the principal peak in chromatogram obtained with standard sample as per procedure in assay
5.	Related Substances a) Any single impurity b) Total impurities	a) 0.15% b) 0.46%	a) Not More than 0.50% b) Not More than 1.00%
6.	Calcium	10.93%	Between 13.22 % and 13.70% calculated on Anhydrous Basis
7.	Water	5.64%	Not More than 6.0%
8.	Heavy Metals	> 0.002	Not More than 0.002%
9.	Assay	99.90%	Between 98.5% and 102.0% calculated on Anhydrous Basis
10.	Acidity(pH)	7.31	Between 5 and 7.5
11.	Chloride	> 0.02%	Not More than 0.02%
12.	Microbial Count a) Total Plate Count b) Yeast & Mold c) E.Coil d) Salmonella	a) 100 CFU/g b) 10 CFU/g c) Absent d) Absent	a) Not More than 1000 CFU/g b) Not More than 100 CFU/g c) Should be Absent d) Should be Absent

Additional test

1.	Residual solvent MeOH	757.2 ppm	NMT 3000ppm
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Conclusion :- The sample complies with the prescribed standard quality as per above specification

	Prepared by	Checked by	Approved by
signature			
date			
Designation	Executive-Q.C.	Manager-Q.C.	Manager- Q.A.

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