



CERTIFICADO DE ANÁLISIS (COA)

Producto: Carprofeno

CAS N°: 53716-49-7

CERTIFICATE OF ANALYSIS

Product name: 9H-Carbazole-2-acetic acid, 6-chloro-ct-methyl-, (±)-(±)-6-Chloro-a- methylcarbazole-2- acetic acid (or) CARPROFEN USP	
Molecular Formula : C ₁₅ H ₁₂ ClNO ₂	Molecular Weight : 273.71
Mfg. date : May-2021	Expiry date : Apr-2026
CAS NO.: 53716-49-7	QTY: 25.00 Kgs.
BATCH NO.: 5/CRP/21	HS CODE: 2942.00.90

Sr. No.	Test	Specification	Result
1.	Description	A white to off-white Crystalline powder	White Crystalline powder
2.	Solubility	Practically insoluble in water, freely soluble in acetone, soluble in methanol, slightly soluble in 2-propanol.	Complies
3.	Identification a) By IR b) By HPCL	The infrared absorption spectrum of the sample preparation exhibits maxima at the same wavelengths as that of similar preparation of corresponding standard. The retention time of major peak in the chromatogram of the assay preparation should correspond to that in the chromatogram of the standard preparation as obtained in the assay.	Complies Complies
4.	Loss on drying (at 105°C for 2 hrs)	Not more than 0.5%w/w	0.28%
5.	Residue on ignition	Not more than 0.1%w/w	0.07%
6.	Heavy metals	Not more than 0.002%	Less than 0.002%
7.	Limit of acetone Limit of Methylene chloride	Not more than 5000 ppm Not more than 6000 ppm	Not detected Not detected
8.	Assay by HPCL (on dried basis % w/w)	Not less than 98.0% and Not more than 102.0%w/w	98.47%
9.	Related substances by HPCL a) Impurity-A b) Impurity-B c) Impurity-C d) Any individual unknwn related compound e) Total related compunds	Not more than 0.5% Not more than 0.5% Not more than 0.5% Not more than 0.10% Not more than 1.0%	0.15% 0.16% Not detected 0.08% 0.39%
10.	Residual solvents a) Ethanol b) Methanol c) Ethyl acetate d) Toluene	Not more than 0.2% Not more than 0.2% Not more than 0.2% Not more than 0.089%	1701 ppm Not detected Not detected Not detected

Remarks: The product conforms to **USP** and **In-house** specifications.

Storage: Preserve in tight, light-resistant containers. Store at 25°C, excursions permitted between 15° and 30°C.

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