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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2025

Re-test Date: Nov 2028

Product Name: Ibuprofen EP Impurity J

Identification:

Chemical Name: (2RS)-2-[4-(2-Methylpropanoyl)phenyl]propanoic acid (as per EP)

Synonyms : Ibuprofen USP Related
Compound J ; Ibuprofen BP
Impurity J ; 1-Oxo Ibuprofen

CAS Number : 65813-55-0

CAT Number : CP-I2010

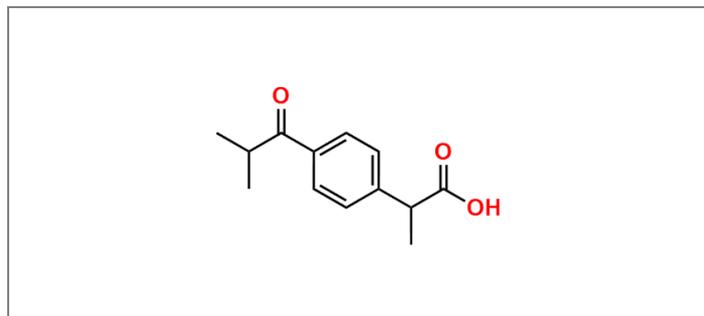
Molecular Formula : C₁₃H₁₆O₃

Molecular Weight : 220.26

Batch Number : CP-35-196

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	98.92%
5)	¹ HNMR	Confirm to Structure
6)	¹³ CNMR	Confirm to Structure
7)	IR	Confirm to Structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.