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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2024

Re-test Date: Mar 2027

**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

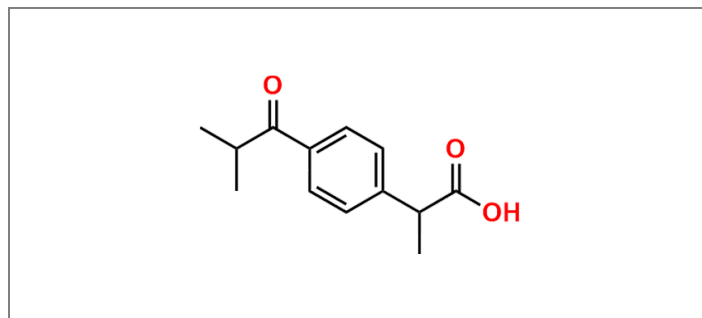
Molecular Formula : C<sub>13</sub>H<sub>16</sub>O<sub>3</sub>

Molecular Weight : 220.26

Batch Number : CHEM-IBU-J-1002-002

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
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.53%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

Approved By

Ms Rohini Gagare  
(QA Head)

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