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## CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2023

Re-test Date: Jul 2026

**Product Name: Ibuprofen EP Impurity E**

### Identification:

Chemical Name: 1-[4-(2-Methylpropyl)phenyl]ethanone (as per EP)

Synonyms : Ibuprofen USP Related  
Compound C

CAS Number : 38861-78-8

CAT Number : CP-I2005

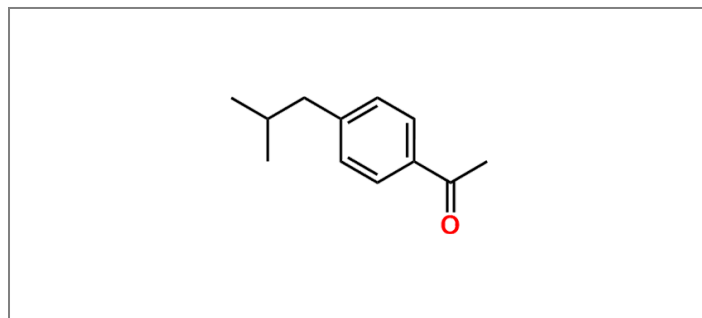
Molecular Formula : C<sub>12</sub>H<sub>16</sub>O

Molecular Weight : 176.25

Batch Number : CHEM-IBU-E-1002-001

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	Pale Yellow to Light Brown Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.76%
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.