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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

**Product Name: Ibuprofen EP Impurity O**

### Identification:

Chemical Name: (2RS)-2-[4-(1-Methylpropyl)phenyl]propanoic acid

Synonyms : Ibuprofen BP Impurity O

CAS Number : 64451-76-9

CAT Number : CP-I2015

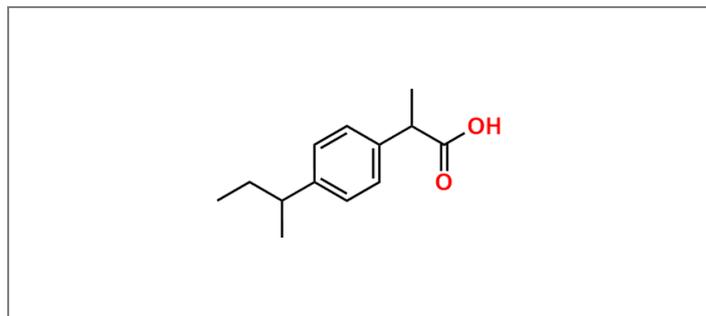
Molecular Formula : C<sub>13</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight : 206.28

Batch Number : CP-IBU-O-0326

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	White to Off White Low Melting Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.74%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.444 %
9)	Potency by TGA	99.30%



**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.