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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

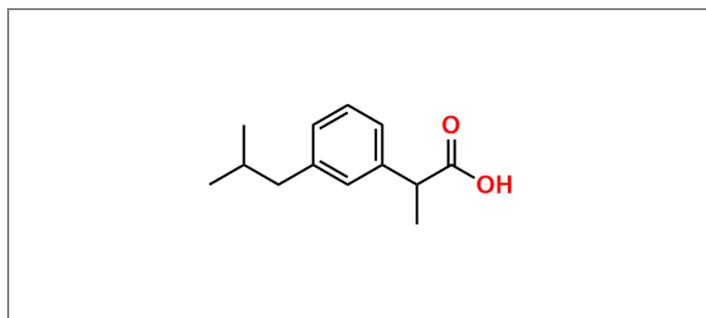
Re-test Date: Aug 2028

**Product Name: Ibuprofen EP Impurity A**

### Identification:

Chemical Name: (2RS)-2-[3-(2-methylpropyl)phenyl]propanoic acid (as per EP)

Synonyms : NA  
CAS Number : 66622-47-7  
CAT Number : CP-I2001  
Molecular Formula : C<sub>13</sub>H<sub>18</sub>O<sub>2</sub>  
Molecular Weight : 206.29  
Batch Number : CHEM-IBU-A-0308-001



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	Colorless Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	94.40%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	0.380%
7)	Potency by TGA	94.04%



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.