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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Ibuprofen EP Impurity B**

### Identification:

Chemical Name: (2RS)-2-(4-Butylphenyl)propanoic acid (as per EP)

Synonyms : Ibuprofen BP Impurity B

CAS Number : 3585-49-7

CAT Number : CP-I2002

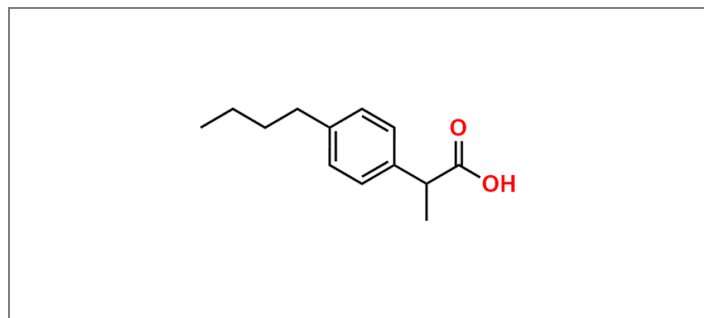
Molecular Formula : C<sub>13</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight : 206.29

Batch Number : CP-IBU-B-0325

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 to Slightly Yellowish Oil |
| 2)      | Solubility          | Soluble in Methanol/DMSO            |
| 3)      | MASS By LCMS        | Confirm to structure                |
| 4)      | Purity By HPLC      | 97.71 %                             |
| 5)      | <sup>1</sup> H NMR  | Confirm to structure                |
| 6)      | <sup>13</sup> C NMR | 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.