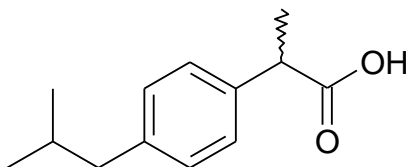


## Certificate of Analysis

**Structure:**



Name	ibuprofen
Synonym(s)	( <i>RS</i> )-2-(4-(2-methylpropyl)phenyl)propanoic acid; $\alpha$ -methyl-4-(isobutyl)phenylacetic acid
Epichem Item #	EPL-AA74 Batch 1
CAS #	15687-27-1
Molecular Formula	C <sub>13</sub> H <sub>18</sub> O <sub>2</sub>
Molecular Weight	206.29 g/mol
Purity	99.6% (weight/weight) 99.9% by HPLC at 202nm and 218nm (assuming all components detected with the same response factor). <sup>1</sup> H NMR analysis showed 0.2% (wt/wt) methanol. 0.1% water by Karl-Fischer method. 0.0% ash.
Combustion Analysis	Required (%): C:75.7; H:8.8. Found (%): C:76.1; H:8.5.
Appearance	Colourless microcrystals
Melting Point	76.3-78.5°C
Date of Manufacture	3 November 2010
Storage Requirements	Protect from heat, light and moisture
Special Precautions	<b>This compound is for laboratory use only. Its toxicological properties may not have been fully established. It should be handled only by suitably qualified personnel.</b>

**Robert Gauci**  
**General Manager**  
 16 November 2010