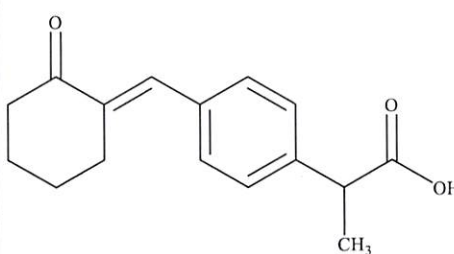


## Certificate of Analysis



Certificate No.: 20251205002

Date: December 5, 2025

Retest date: December 1, 2028

<b>Compound Name:</b>	<b>Pelubiprofen</b>		
<b>Synonyms:</b>	<i>(E)</i> -2-(4-((2-oxocyclohexylidene)methyl)phenyl)propanoic acid		
<b>TLC Catalogue Number:</b>	P-290001		
<b>CAS Number:</b>	69956-77-0		
<b>Alternate CAS Number:</b>	N/A		
<b>Molecular Weight:</b>	258.32		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>18</sub> O <sub>3</sub>		
<b>Source:</b>	TLC Pharmaceutical Standards		
<b>Source Lot No.:</b>	6139-088A3		
<b>Storage Conditions:</b>	Store at 2-8 °C		
<b>Solubility:</b>	Methanol, DMSO		

Test Description	Specifications	Results
<b>Visual Description</b>	Pale yellow solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.6%</b>
<b>Impurity (HPLC)</b>	RT 16.23, 0.43%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Residue (TGA at 900 °C)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	0.3% dichloromethane and 0.1% isopropyl ether	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.9%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		12/05/2025
Approved by:	Quality Assurance		12/05/2025

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS, NMR and TGA spectra.