

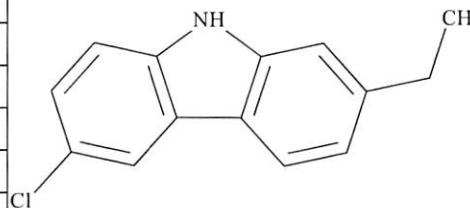
## Certificate of Analysis

Certificate No.: 20251117007

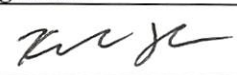

Date: November 17, 2025

Retest date: November 14, 2028

<b>Compound Name:</b> Carprofen EP Impurity H	
<b>Synonyms:</b>	6-chloro-2-ethyl-9H-carbazole
<b>TLC Catalogue Number:</b>	C-607
<b>CAS Number:</b>	92841-23-1
<b>Alternate CAS Number:</b>	N/A
<b>Molecular Weight:</b>	229.71
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>12</sub> ClN
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	4484-007A2
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMF, DMSO, Acetonitrile



Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white 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>99.7%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.6%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		11/17/2025
Approved by:	Quality Assurance		11/17/2025

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