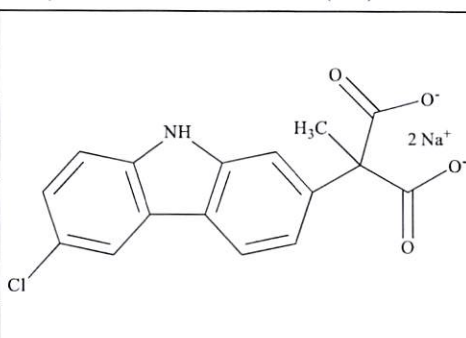


# Certificate of Analysis


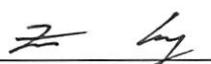
Certificate No.: 20251124018

Date: November 24, 2025

Retest date: November 21, 2026

<b>Compound Name:</b>	<b>Carprofen EP Impurity A Disodium Salt</b>	
<b>Synonyms:</b>	2-(6-chloro-9H-carbazol-2-yl)-2-methylmalonate, sodium salt (1:2)	
<b>TLC Catalogue Number:</b>	C-6010	
<b>CAS Number:</b>	N/A	
<b>Alternate CAS Number:</b>	252288-17-8 (free acid)	
<b>Molecular Weight:</b>	315.71 2*22.99	
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>10</sub> ClNO <sub>4</sub> · 2 Na	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	5562-088A3	
<b>Storage Conditions:</b>	Store at -20 °C	
<b>Solubility:</b>	Methanol, DMSO, DMF, Water	

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>Elemental Analysis</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.8%</b>
<b>Impurity (HPLC)</b>	RT 4.19, 0.15%	
<b>Residual Solvents (NMR)</b>	1.9% ethanol	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>90.5%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		11/24/2025
Approved by:	Quality Assurance		11/24/2025

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