

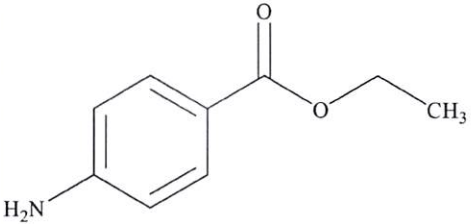
## Certificate of Analysis

Certificate No.: 20241127006



Date: November 27, 2024

Retest date: November 22, 2027

<b>Compound Name:</b> Benzocaine	
<b>Synonyms:</b>	ethyl 4-aminobenzoate
<b>TLC Catalogue Number:</b>	B-451
<b>CAS Number:</b>	94-09-7
<b>Molecular Weight:</b>	165.19
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	6585-016A1
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, 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>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residue (TGA at 900 °C)</b>	N/A	<b>0.0%</b>
<b>Residual Solvents (NMR)</b>	0.3% isopropyl ether and 0.2% ethyl acetate	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.4%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		11/28/2024
Approved by:	Quality Assurance		11/28/2024

**Attachments:** HPLC, IR, MS, NMR and TGA spectra.