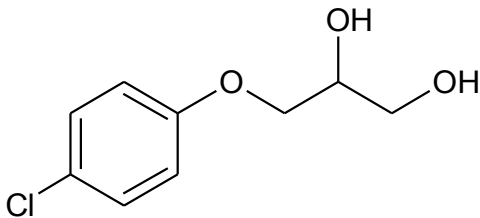


## Certificate of Analysis

<b>Structure:</b> <div style="text-align: center;">  </div>	
Name	Chlorphenesin
Synonym(s)	3-(4-Chlorophenoxy)-1,2-propanediol
Epichem Item #	EPL-AA169 Batch 1
CAS #	104-29-0
Molecular Formula	C <sub>9</sub> H <sub>11</sub> ClO <sub>3</sub>
Molecular Weight	202.64 g/mol
Purity	99.9% (weight/weight) 100% at 220 nm by HPLC (assuming all components detected with the same response factor). <sup>1</sup> H NMR analysis showed no significant impurities. 0.11% water by Karl-Fischer method. 0.03% ash.
Combustion Analysis	Required (%): C:53.4; H:5.5; N:0.0. Found (%): C:53.4; H:5.5; N:0.0.
Appearance	White crystalline powder
Melting Point	79.0-81.0°C
Date of Manufacture	29 June 2015
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>

John Moursounidis, PhD  
 Head of Production  
 10 July 2015