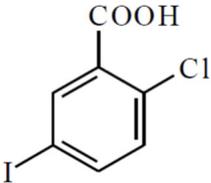




# SPECIFICATION

## CLIB

Version 07 / 19.06.2023

<b>Code No.</b>	69530																								
<b>CAS No.</b>	19094-56-5																								
<b>Chemical Name</b>	2-Chloro-5-iodo-benzoic acid																								
<b>Structure</b>																									
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>4</sub> ClI <sub>2</sub>																								
<b>Molecular Weight</b>	282.46																								
<b>Product Properties</b>	<table><tr><td><b>Appearance</b></td><td>white to slight yellowish crystalline powder</td></tr><tr><td><b>Identity</b></td><td>complies (IR)</td></tr><tr><td>2-Amino-5-iodo-benzoic acid</td><td>≤ 0.40 (HPLC)</td></tr><tr><td>2,5-Dichloro-benzoic acid</td><td>≤ 0.25 (HPLC)</td></tr><tr><td>3-Iodo-benzoic acid</td><td>≤ 0.70 (HPLC)</td></tr><tr><td>2,5-Diiodo-benzoic acid</td><td>≤ 0.55 (HPLC)</td></tr><tr><td>Each other impurity ≤ 0,10 Area-%</td><td>confirms (HPLC)</td></tr><tr><td>Sum of impurities</td><td>≤ 2.0 (HPLC)</td></tr><tr><td><b>Water (%)</b></td><td>≤ 0.5 (KF)</td></tr><tr><td><b>Loss on drying (%)</b></td><td>≤ 1.2</td></tr><tr><td><b>Sulphated ash (%)</b></td><td>≤ 0.3</td></tr><tr><td><b>Potency (%)</b></td><td>≥ 96.5</td></tr></table>	<b>Appearance</b>	white to slight yellowish crystalline powder	<b>Identity</b>	complies (IR)	2-Amino-5-iodo-benzoic acid	≤ 0.40 (HPLC)	2,5-Dichloro-benzoic acid	≤ 0.25 (HPLC)	3-Iodo-benzoic acid	≤ 0.70 (HPLC)	2,5-Diiodo-benzoic acid	≤ 0.55 (HPLC)	Each other impurity ≤ 0,10 Area-%	confirms (HPLC)	Sum of impurities	≤ 2.0 (HPLC)	<b>Water (%)</b>	≤ 0.5 (KF)	<b>Loss on drying (%)</b>	≤ 1.2	<b>Sulphated ash (%)</b>	≤ 0.3	<b>Potency (%)</b>	≥ 96.5
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<b>Potency (%)</b>	≥ 96.5																								
<b>Storage</b>	Cool, dry, dark, tightly closed																								
<b>Application</b>	intermediate in organic synthesis																								

Changes in comparison to previous issue: Layout