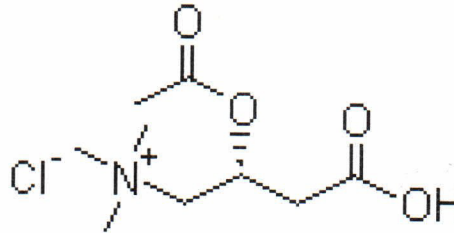




Batch no ALC241116  
Mf date Nov 13 2024  
Retest Nov 12 2026

Molecular Structure



Molecular Formula  $C_9H_{17}NO_4 \cdot HCl$   
Molecular Weight 239.70  
CAS Registry Number 5080-50-2

Dec 04 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White crystalline powder	Conforms
Identification	IR	Positive
Specific rotation	-27.0 ~ -28.5°	-28.1°
pH	2.3 ~ 2.6	2.4
Loss on drying	≤ 0.5%	0.2%
Residue on ignition	≤ 0.5%	0.05%
Water content	≤ 1.0%	0.082%
Heavy metals	≤ 10 ppm	< 10 ppm
As	≤ 1 ppm	< 1 ppm
Crotonobataine HCl	≤ 0.2%	0.023%
L-Carnitine HCl	≤ 1.0%	0.14%
Assay	98.0 ~ 102.0%	99.1%

Packaging & storage	Preserve in tight and light-resistant containers. Store at room temperature.
Conclusion	Material complies with in house standard