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## **-CERTIFICATE OF ANALYSIS-**

Product: N-Acetyl-L-carnitine hydrochloride

Code No: BIA1225

CAS No: 5080-50-2

Formula:  $C_9H_{18}NO_4.Cl$

Batch No: AS439261

Appearance: White crystalline powder

Identity: IR conforms

Specific Rotation  $[\alpha]_{20}^D$ :  $-27.92^\circ$

pH: 2.43

Assay: 99.86%

Residue on ignition: 0.04%

Water content: 0.10%

Heavy Metals: <10ppm

Arsenic: <1ppm

Lead: <3ppm

Mercury: <0.1ppm

Verified by: David Parton

Signed:

Date: 26<sup>th</sup> February 2015