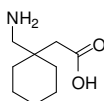




## Certificate of Analysis

**Axon Catalogue ID:** 1301 **Batch Number:** 1  
**Product Name:** Gabapentin  
**Alternative Name(s):** GOE 3450 | CI 945 | GO 3450  
**IUPAC Name:** 2-(1-(Aminomethyl)cyclohexyl)acetic acid

**Structure:**



**Amount:**

**CAS number(s):** 60142-96-3  
**Molecular Formula:** C9H17NO2 **Molecular Weight:** 171.24  
**Batch Molecular Formula:** C9H17NO2 **Batch Molecular Weight:** 171.24  
**Appearance:** White solid **Observed mp:** 162 - 164 °C  
**TLC (R<sub>f</sub>):** 0.1 DCM/MeOH (9:1)  
**Chemical Purity:** >99%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 63.13, H 10.01, N 8.18; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	16.8	98.1	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

**Remarks:**

**QC Date:** 3-4-2024

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**