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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

**Product Name: Gabapentin EP Impurity E**

### Identification:

Chemical Name: 1-(Carboxymethyl)cyclohexanecarboxylic acid

Synonyms : Gabapentin USP Related  
Compound E ; Gabapentin  
Diacid

CAS Number : 67950-95-2

CAT Number : CP-G3005

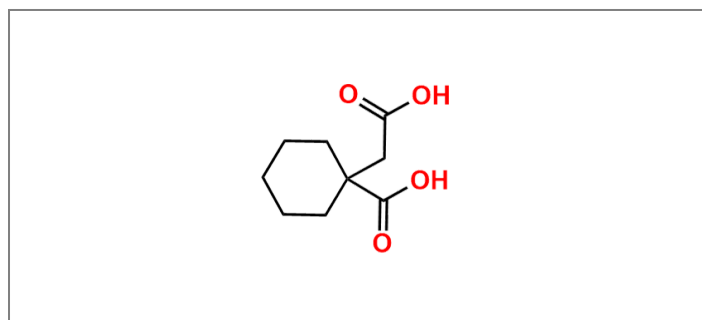
Molecular Formula : C<sub>9</sub>H<sub>14</sub>O<sub>4</sub>

Molecular Weight : 186.21

Batch Number : CP-GAB-E-1023

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off-White to Light Beige Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	93.95 %
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	0.658 %
8)	Potency by TGA	93.33 %



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to be "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

A handwritten signature in blue ink, appearing to be "Rohini Gagare".

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.