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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

**Product Name: Phenytoin USP Related Compound A**

### Identification:

Chemical Name: 2-Amino-2,2-diphenylacetic acid

Synonyms : Phenytoin EP Impurity C

CAS Number : 3060-50-2

CAT Number : CP-P49007

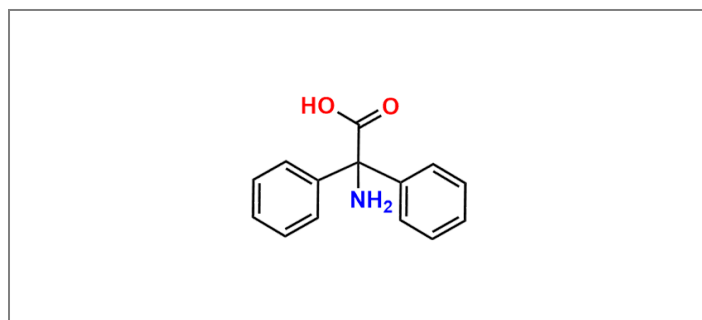
Molecular Formula : C<sub>14</sub>H<sub>13</sub>NO<sub>2</sub>

Molecular Weight : 227.26

Batch Number : CP-PHE-C-0425

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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.06 %
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.466 %
8)	Potency by TGA	98.60 %



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

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