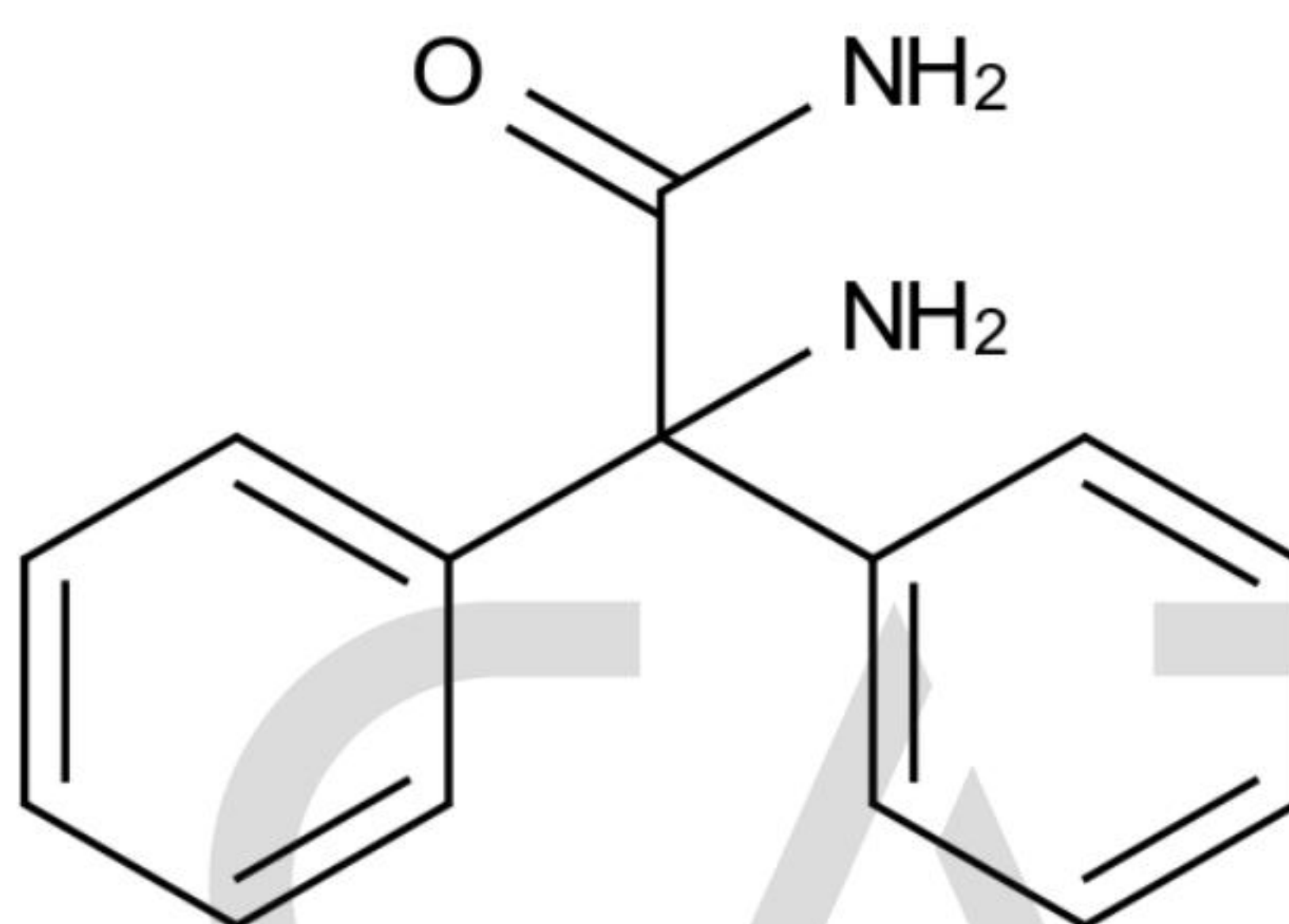


Certificate of Analysis

Reference Material & Standard

Product Name:	Phenytoin Impurity 12	Catalogue Number:	C4X-186412
Synonyms:	N/A	Lot Number:	0929-RF-0125
CAS Number:	15427-81-3	Expiry Date:	Oct 08, 2027
Molecular Formula:	C ₁₄ H ₁₄ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	226.27		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.690%
Loss On Drying	TGA	2.2301%
Assay		97.5%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Oct 09, 2024

Date: Oct 09, 2024

Date: Oct 09, 2024

