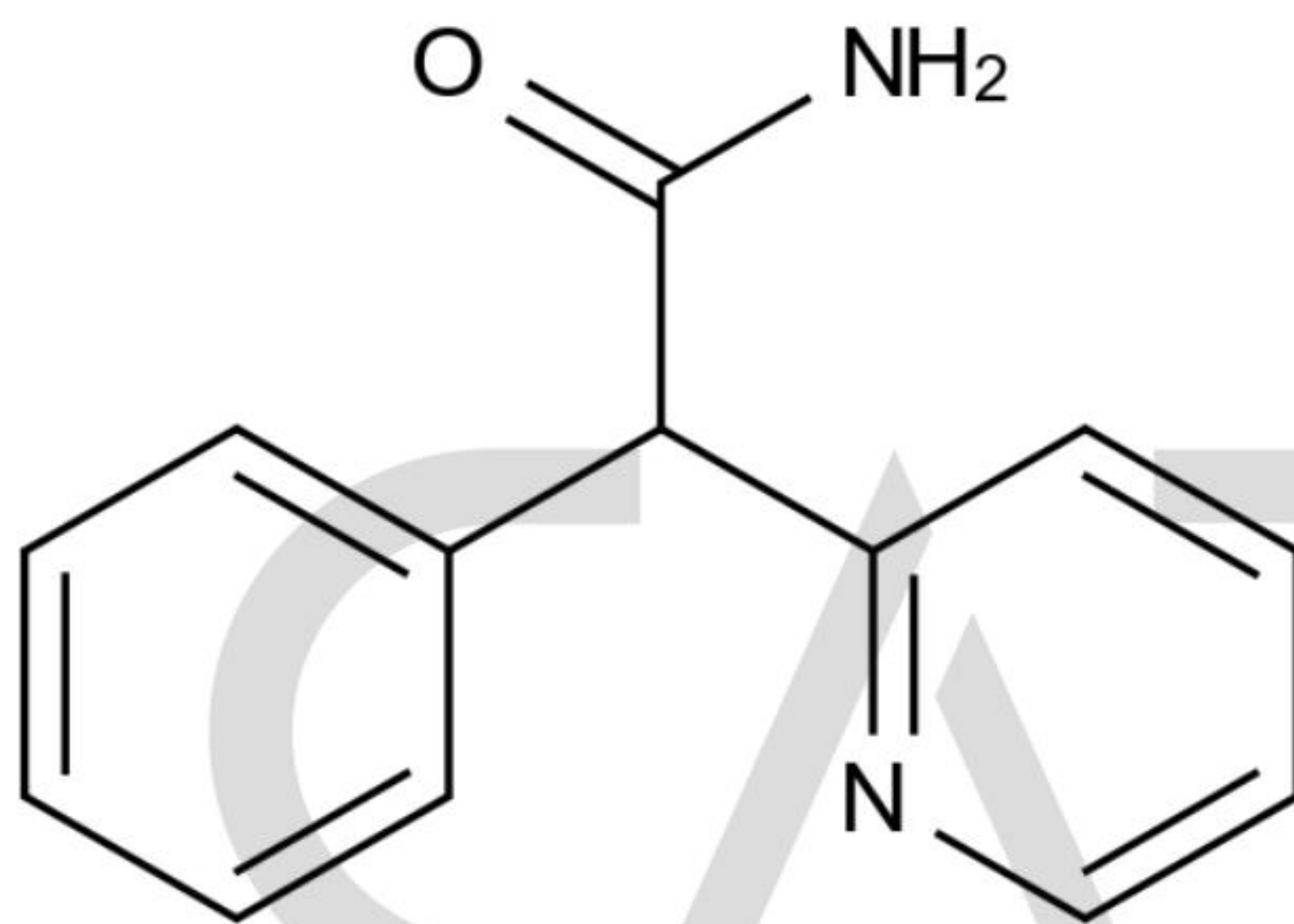


Certificate of Analysis

Reference Material & Standard

Product Name:	Methylphenidate EP Impurity F	Catalogue Number:	C1848698
Synonyms:	N/A	Lot Number:	1031-RF-0060
CAS Number:	7251-52-7	Expiry Date:	Jul 20, 2029
Molecular Formula:	C ₁₃ H ₁₂ N ₂ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	212.25	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.807%
Loss On Drying	TGA	0.0059%
Assay		99.8%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 21, 2025

Date: Jul 21, 2025

Date: Jul 21, 2025

