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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

**Product Name: Glycopyrrolate EP Impurity L**

### Identification:

Chemical Name: methyl 2-cyclopentyl-2-hydroxy-2-phenylacetate

Synonyms : Glycopyrrolate USP Related compound L ;  $\alpha$ -Cyclopentyl-mandelic Acid Methyl Ester

CAS Number : 19833-96-6

CAT Number : CP-G2012

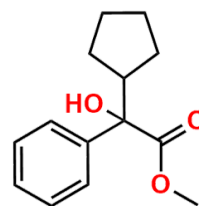
Molecular Formula : C<sub>14</sub>H<sub>18</sub>O<sub>3</sub>

Molecular Weight : 234.30

Batch Number : CP-GLY-RCL-0124

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)	Solubility	Soluble in Methanol/DMSO
2)	MASS By LCMS	Confirm to structure
3)	Purity By HPLC	96.31%
4)	<sup>1</sup> H NMR	Confirm to structure
5)	<sup>13</sup> C NMR	Confirm to Structure
6)	IR	Confirm to Structure



**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.