

CERTIFICATE OF ANALYSIS

(Certificate No. KMC029013-01)

Release Date: 22/01/2026

Re-test Date: 21/01/2029

Carbamazepine EP Impurity A

Identification

Chemical Name :

10,11-Dihydro-5H-dibenzo[b,f]azepine-5-carboxamide (as per EP)

Alt. Name

: Carbamazepine USP Related
Compound A ; 10,11-
dihydrocarbamazepine (EP & USP)

CAT No.

: KMC029013

CAS No.

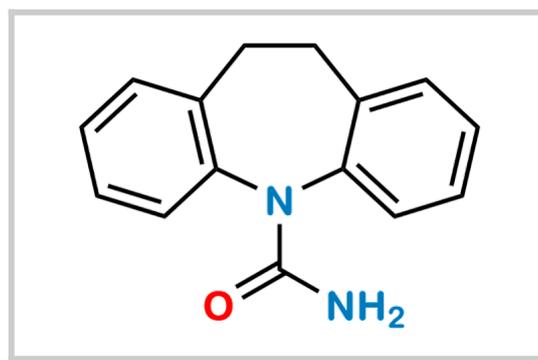
: 3564-73-6

Molecular Formula

: C₁₅H₁₄N₂O

Molecular Weight

: 238.3



Analytical Information

Batch No.

: C029013-114-107

Description

: White Solid

HPLC Purity

: 99.76 %

Weight Loss By TGA

: 0.31 %

% Potency

: 99.45 %

Solubility

: Acetonitrile

Mass

: Confirm

IR

: Confirm

¹H NMR

: Confirm

Additional Information

Long Term Storage

: Store at 2-8 deg. C for long term storage

Shipping Condition

: Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.31(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 99.45 %

Recommendation

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		22/01/2026

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA