CERTIFICATE OF ANALYSIS

(Certificate No. KMK001002-01)

Release Date: 20/02/2024 **Re-test Date:** 19/02/2027

Ketorolac EP Impurity J

Identification

Chemical Name:

ethyl 5-benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylate

Alt. Name : ethyl 5-benzoyl-2,3-dihydro-1H-

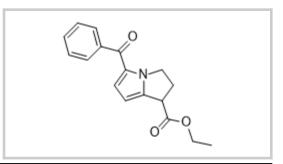
pyrrolizine-1-carboxylate

 CAT No.
 : KMK001002

 CAS No.
 : 108061-03-6

 Molecular Formula
 : C17H17NO3

Molecular Weight : 283.32



Analytical Information

HPLC Purity : 98.51 % **IR** : Confirm

Weight Loss By TGA : 0.05 % 1H NMR : Confirm

% Potency : 98.46 %

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 - 0.05(Weight Loss By TGA)] x [98.51(HPLC Purity)]/100 = 98.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		20/02/2024
Reviewed & Approved By	Quality Control	Jatin Patel		20/02/2024

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA