CERTIFICATE OF ANALYSIS

(Certificate No. KMZ003010-01)

Release Date: 20/10/2026 **Re-test Date:** 19/10/2029

ZOLPIDEM EP IMPURITY F

Identification

Chemical Name :
N,N-Dimethyl-4-(4-methylphenyl)-4-oxobutanamide (as per EP) ; N,N-Dimethyl-4-oxo-4-(p-tolyl)butanamide (as per USP)

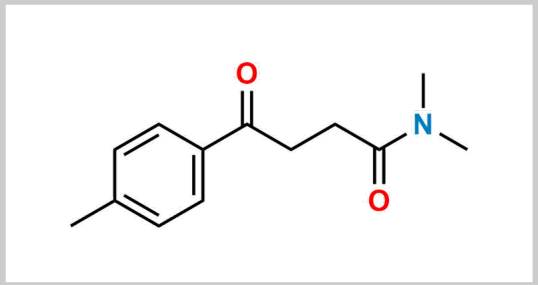
Alt. Name : Tolyloyl Propionamide (USP)

CAT No. : KMZ003010

CAS No. : 402470-91-1

Molecular Formula : C13H17NO2

Molecular Weight : 219.3



Analytical Information

Batch No.	: ZOL-EP-IMP-F-019-357	**Solubility**	: Acetonitrile
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.42 %	**IR**	: Confirm
Weight Loss By TGA	: 0.04 %	**1H NMR**	: Confirm
% Potency	: 99.38 %		

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 - 0.04(Weight Loss By TGA)] x [99.42(HPLC Purity)]/100 = 99.38 %
-Re-tested on 20.10.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		20/10/2026

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