CERTIFICATE OF ANALYSIS

(Certificate No. KMZ003007-01)

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

ZOLPIDEM EP IMPURITY C

Identification

Chemical Name :
4-(4-Methylphenyl)-4-oxobutanoic acid (as per EP) ; 4-Oxo-4-(p-tolyl)butanoic acid (as per USP)

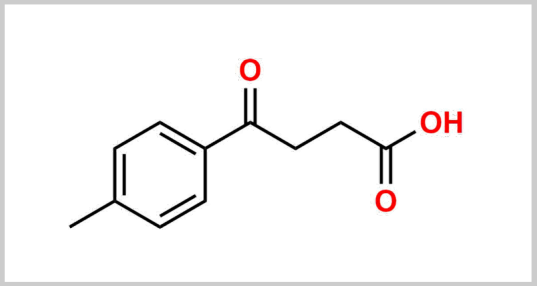
Alt. Name : Tolyloyl Propionic Acid (USP)

CAT No. : KMZ003007

CAS No. : 4619-20-9

Molecular Formula : C11H12O3

Molecular Weight : 192.2



Analytical Information

Batch No.	: ZOL-EP-IMP-C-019-355	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.64 %	**IR**	: Confirm
Weight Loss By TGA	: 0.15 %	**1H NMR**	: Confirm
% Potency	: 99.49 %		

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 - 0.15(Weight Loss By TGA)] x [99.64(HPLC Purity)]/100 = 99.49 %
-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