CERTIFICATE OF ANALYSIS

(Certificate No. KMI002001-01)

Release Date: 20/05/2026 **Re-test Date:** 19/05/2029

Ibuprofen Aldehyde Impurity

Identification

Chemical Name :
2-(4-isobutylphenyl)propanal

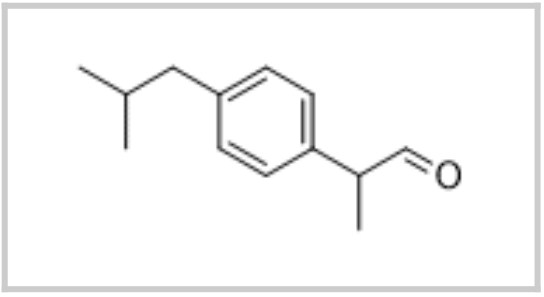
Alt. Name : 2-(4-Isobutylphenyl)propanal

CAT No. : KMI002001

CAS No. : 51407-46-6

Molecular Formula : C13H18O

Molecular Weight : 190.28



Analytical Information

Batch No.	: IBU-ALD-073-005	**Solubility**	: ACN
Description	: Light Yellow Liquid	**Mass**	: Confirm
HPLC Purity	: 99.26 %	**IR**	: Confirm
Weight Loss By TGA	: 2.81 %	**1H NMR**	: Confirm
% Potency	: 96.47 %		

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 - 2.81(Weight Loss By TGA)] x [99.26(HPLC Purity)]/100 = 96.47 %
-Re-tested on 20.05.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		20/05/2026

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