CERTIFICATE OF ANALYSIS

(Certificate No. KML005003-02)

Release Date: 20/06/2024 **Re-test Date:** 19/06/2027

Losartan Impurity D

Identification

Chemical Name :
2-butyl-4-chloro-1H-imidazole-5-carbaldehyde

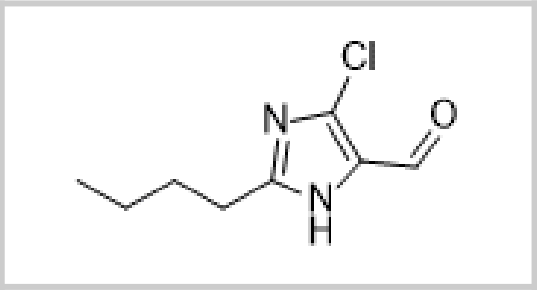
Alt. Name : Losartan USP Related Compound A

CAT No. : KML005003

CAS No. : 83857-96-9

Molecular Formula : C8H11ClN2O

Molecular Weight : 186.64



Analytical Information

Batch No.	: LOS-EP-D-019-217	**Solubility**	: Methanol
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.96 %	**IR**	: Confirm
Weight Loss By TGA	: 1.67 %	**1H NMR**	: Confirm
% Potency	: 98.29 %	**13C 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 - 1.67(Weight Loss By TGA)] x [99.96(HPLC Purity)]/100 = 98.29 %
-13C NMR Analysis added on 27.02.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		27/02/2025

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA