

# CERTIFICATE OF ANALYSIS

(Certificate No. KML005031-01)

Release Date: 27/02/2025

Re-test Date: 26/02/2028

## Losartan Potassium Impurity K

### Identification

**Chemical Name :**

2-Butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-1H-imidazol-5-carbaldehyde (as per EP)

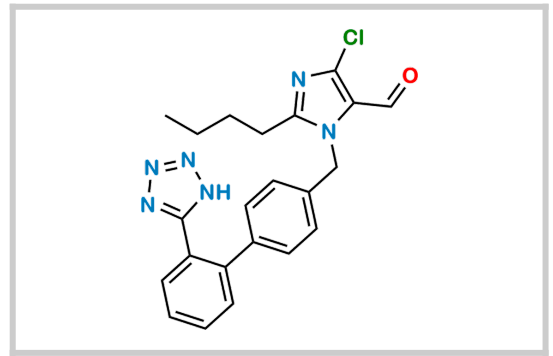
**Alt. Name** : Losartan USP Related Compound C ;  
Losartan Aldehyde

**CAT No.** : KML005031

**CAS No.** : 114798-36-6

**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>ClN<sub>6</sub>O

**Molecular Weight** : 420.9



### Analytical Information

**Batch No.** : LOS-EP-K-019-257

**Description** : Off White Solid

**HPLC Purity** : 98.17 %

**Weight Loss By TGA** : 0.58 %

**% Potency** : 97.6 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.58(Weight Loss By TGA)] x [98.17(HPLC Purity)]/100 = 97.6 %

-Re-tested on 27.02.2025

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		28/02/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		28/02/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA