

# CERTIFICATE OF ANALYSIS

(Certificate No. KMF043061-01)

Release Date: 24/09/2024

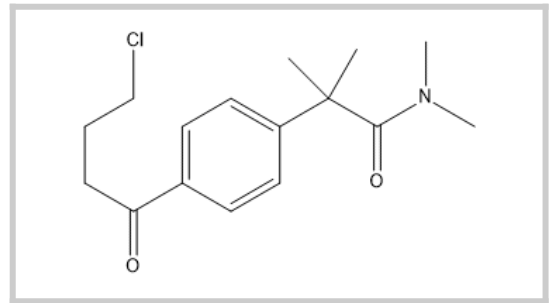
Re-test Date: 23/09/2027

## Fexofenadine KSM\_Fexo-3 Standard

### Identification

**Chemical Name :**  
2-(4-(4-chlorobutanoyl)phenyl)-N,N,2-trimethylpropanamide

**CAT No.** : KMF043061  
**CAS No.** : Not Available  
**Molecular Formula** : C<sub>16</sub>H<sub>22</sub>ClNO<sub>2</sub>  
**Molecular Weight** : 295.80



### Analytical Information

<b>Batch No.</b>	: F043061-073-385	<b>Solubility</b>	: Acetonitrile
<b>Description</b>	: Light Yellow Liquid	<b>Mass</b>	: Confirm
<b>HPLC Purity</b>	: 99.41 %	<b>IR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.74 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>% Potency</b>	: 98.67 %	<b><sup>13</sup>C NMR</b>	: 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 - 0.74(Weight Loss By TGA)] x [99.41(HPLC Purity)]/100 = 98.67 %  
**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		24/09/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		24/09/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA