

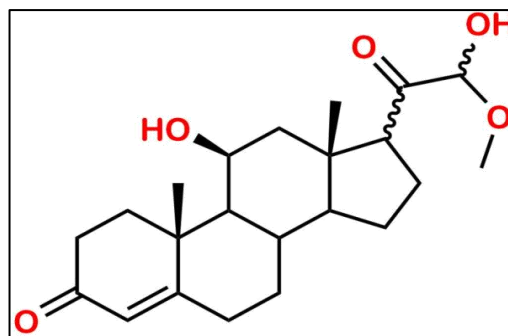
Analysis Date: 31-07-2025

Re-test Date: 31-07-2028

## HYDROCORTISONE IMPURITY F

### Identification

<b>Chemical Name</b>	: (10R,11S,13S)-11-Hydroxy-17-(2-hydroxy-2-methoxyacetyl)-10,13-dimethyl-1,2,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one
<b>CAT No</b>	: ALL-HYD-1627
<b>CAS No</b>	: N.A.
<b>Molecular Formula</b>	: C <sub>22</sub> H <sub>32</sub> O <sub>5</sub>
<b>Molecular Weight</b>	: 376.5



### Analytical Information

<b>Batch Code</b>	: ALL-HYD-1627	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.49%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.711%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.801%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.602 + 0.704) \times 98.00] / 100 = 96.49\%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office