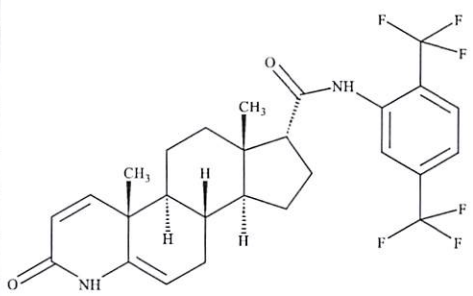


## Certificate of Analysis

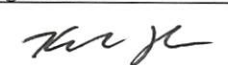

Certificate No.: **20260413004**

Date: April 13, 2026

Retest date: April 9, 2029

<b>Compound Name:</b>	<b>Dutasteride EP Impurity D (Dutasteride 17-<i>alfa</i>-5-ene)</b>	
<b>Synonyms:</b>	(4aR,4bS,6aS,7R,9aS,9bS)- <i>N</i> -(2,5-bis(trifluoromethyl)phenyl)-4a,6a-dimethyl-2-oxo-2,4a,4b,5,6,6a,7,8,9,9a,9b,10-dodecahydro-1 <i>H</i> -indeno[5,4- <i>f</i> ]quinoline-7-carboxamide	
<b>TLC Catalogue Number:</b>	D-3510	
<b>CAS Number:</b>	3088800-46-5	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	526.52	
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>28</sub> F <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7219-078A15	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.3%</b>
<b>Impurity (HPLC)</b>	RT 4.62, 0.14%; RT 7.17, 0.15%; RT 10.71, 0.21%	
<b>Residual Solvents (NMR)</b>	0.1% methanol	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>97.4%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04/13/2026
Approved by:	Quality Assurance		04/13/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.