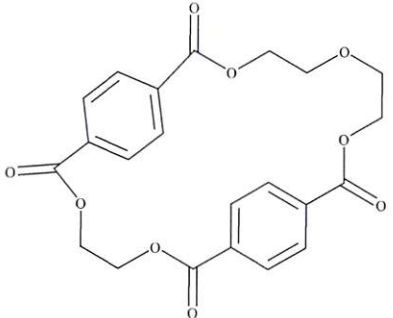


## Certificate of Analysis


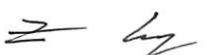
Certificate No.: 20260625013

Date: June 25, 2026

Retest date: June 23, 2029

<b>Compound Name:</b> PET Impurity 7		
<b>Synonyms:</b>	3,6,10,13,16-pentaoxa-1,8(1,4)-dibenzenacycloheptadecaphane-2,7,9,17-tetraone	
<b>TLC Catalogue Number:</b>	P-418007	
<b>CAS Number:</b>	29278-57-7	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	428.39	
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>20</sub> O <sub>9</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7446-051A8	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Solution of Methanol and Acetonitrile, DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	0.3% dichloromethane and 0.1% diethyl ether	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.5%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/25/2026
Approved by:	Quality Assurance		06/25/2026

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