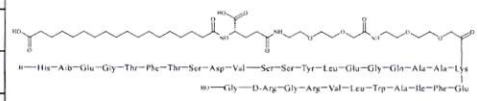
Certificate of Analysis

Certificate No.: **20260622020**

Date: June 22, 2026 Retest date: June 2, 2029

Compound Name:	**Semaglutide Impurity 60 (D-Arg 30)**
TLC Catalogue Number:	PS-189076
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	4113.64
Molecular Formula:	$C_{187}H_{291}N_{45}O_{59}$
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7410-077A4
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, solution of Acetonitrile and Water



Test Description	**Specifications**	**Results**
Visual Description	White to off-white solid	**Conforms**
Identification **IR** **MS** **^{1}H NMR**	 Conforms to structure Conforms to structure Conforms to structure	 **Conforms** **Conforms** **Conforms**
Purity (HPLC)	Not less than 90.0%	**96.0%**
Impurity (HPLC)	RT 14.17, 0.79%; RT 16.48, 1.65%; RT 22.96, 0.43%	
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 85.0%	**89.7%**
Recommendation:	**Release.**	

Name	**Department**	**Signature**	**Date**
Reviewed and approved by:	Quality Control		06/22/2026
Approved by:	Quality Assurance		06/22/2026

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