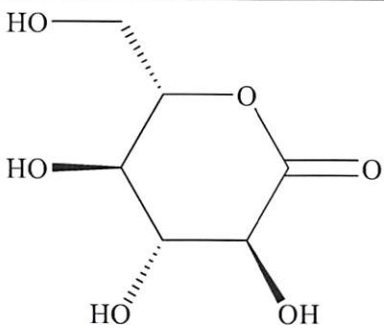


Certificate of Analysis



Certificate No.: 20251127013

Date: November 27, 2025

Retest date: November 26, 2028

Compound Name: Canagliflozin Impurity 39		
Synonyms:	(3S,4R,5R,6S)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-one	
TLC Catalogue Number:	C-152051	
CAS Number:	52153-09-0	
Alternate CAS Number:	N/A	
Molecular Weight:	178.14	
Molecular Formula:	C ₆ H ₁₀ O ₆	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3915-098A2	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, DMF	

Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Optical Rotation	N/A	$[\alpha]_D^{25.0}(c=0.34, \text{formic acid}): -75.5^\circ$
Residual Solvents (NMR)	0.3% methanol	
Assay (qNMR)	Not less than 90.0%	98.1%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		11/27/2025
Approved by:	Quality Assurance		11/27/2025

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