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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

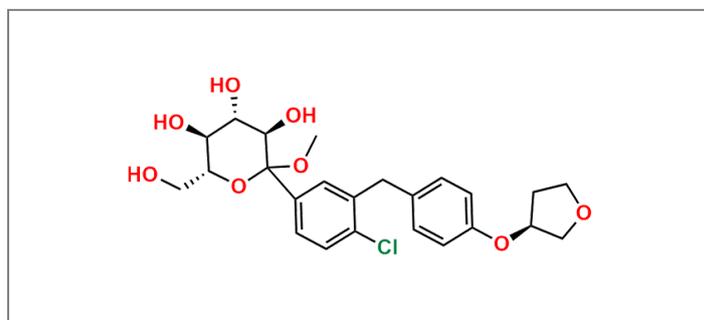
Re-test Date: May 2027

Product Name: Empagliflozin Impurity 56

Identification:

Chemical Name: (3R,4S,5S,6R)-2-(4-chloro-3-(4-(((S)-tetrahydrofuran-3-yl)oxy)benzyl)phenyl)-6-(hydroxymethyl)-2-methoxytetrahydro-2H-pyran-3,4,5-triol

Synonyms : NA
CAS Number : 915095-96-4
CAT Number : CP-E7001
Molecular Formula : C₂₄H₂₉ClO₈
Molecular Weight : 480.94
Batch Number : CP-EMP-56-0923
Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C
Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.72%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to structure
7)	IR	Confirm to structure
8)	Weight loss by TGA	3.196%
9)	Potency by TGA	96.52%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.