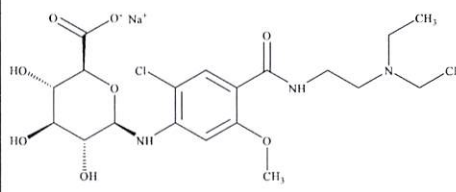


Certificate of Analysis



Certificate No.: 20260114010

Date: January 14, 2026

Retest date: January 13, 2029

Compound Name:	Metoclopramide Impurity 34 Sodium Salt (Metoclopramide N⁴-Glucuronide Sodium Salt, M7)	
Synonyms:	(2S,3S,4S,5R,6R)-6-((2-chloro-4-((2-(diethylamino)ethyl)carbamoyl)-5-methoxyphenyl)amino)-3,4,5-trihydroxytetrahydro-2H-pyran-2-carboxylate, sodium salt (1:1)	
TLC Catalogue Number:	M-6049	
CAS Number:	N/A	
Alternate CAS Number:	27313-54-8 (free acid)	
Molecular Weight:	474.92 22.99	
Molecular Formula:	C ₂₀ H ₂₉ ClN ₃ O ₈ . Na	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7138-094A3	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, Water	

Test Description	Specifications	Results
Visual Description	Pale yellow 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%	99.0%
Impurity (HPLC)	RT 17.48, 0.13%; RT 18.91, 0.16%; RT 20.09, 0.21%	
Water Content (KF)	N/A	1.3%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	97.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/14/2026
Approved by:	Quality Assurance		01/14/2026

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