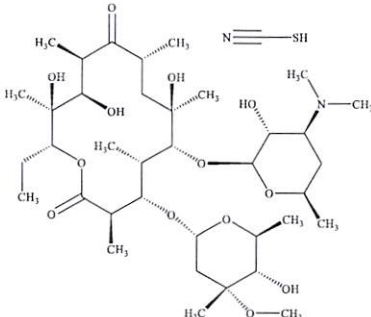


Certificate of Analysis

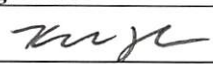

Certificate No.: 20260416010

Date: April 16, 2026

Retest date: April 16, 2029

Compound Name:	Erythromycin A Thiocyanate (Roxithromycin EP Impurity A Thiocyanate)	
Synonyms:	(3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-6-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-14-ethyl-7,12,13-trihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3,5,7,9,11,13-hexamethyloxacyclotetradecane-2,10-dione, thiocyanic acid (1:1)	
TLC Catalogue Number:	E-2061	
CAS Number:	7704-67-8	
Alternate CAS Number:	114-07-8 (free base)	
Molecular Weight:	733.94 59.09	
Molecular Formula:	C ₃₇ H ₆₇ NO ₁₃ . CHNS	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	5593-019A8	
Storage Conditions:	Hygroscopic, protect from air, store at 2-8 °C	
Solubility:	Methanol, DMSO	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.8%
Impurity (HPLC)	RT 5.93, 0.14%	
Water Content (KF)	N/A	5.0%
Residue (TGA at 800 °C)	N/A	0.0%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	94.8%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04/16/2026
Approved by:	Quality Assurance		04/16/2026

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