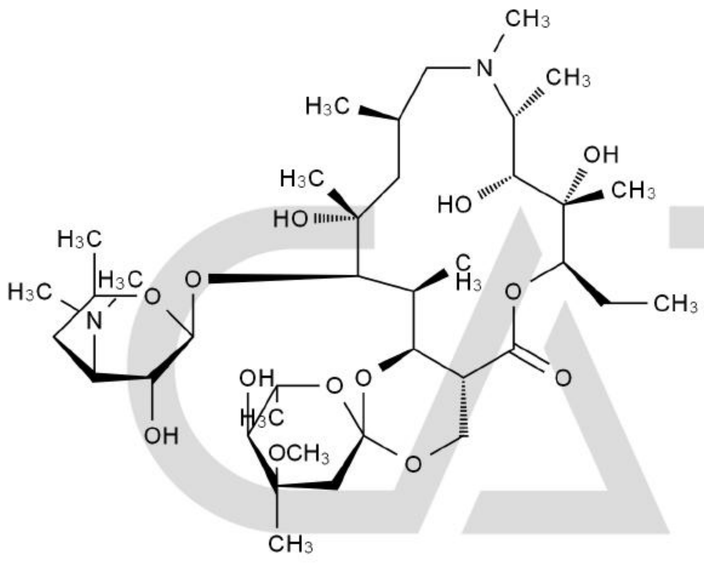
Certificate of Analysis

Reference Material & Standard

Product Name:	Azithromycin EP Impurity K	**Catalogue Number:**	C4X-100311
Synonyms:	N/A	**Lot Number:**	0306-RH-0080
CAS Number:	612534-95-9	**Expiry Date:**	Apr 23, 2028
Molecular Formula:	$C_{38}H_{70}N_2O_{13}$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	762.97	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	96.85%
Loss on Drying	TGA	1.134%
Assay		95.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Date: Mar 09, 2026

Reviewed by: Date: Mar 09, 2026

Approved by General Manager: Date: Mar 09, 2026

CATO Research Chemicals Inc.