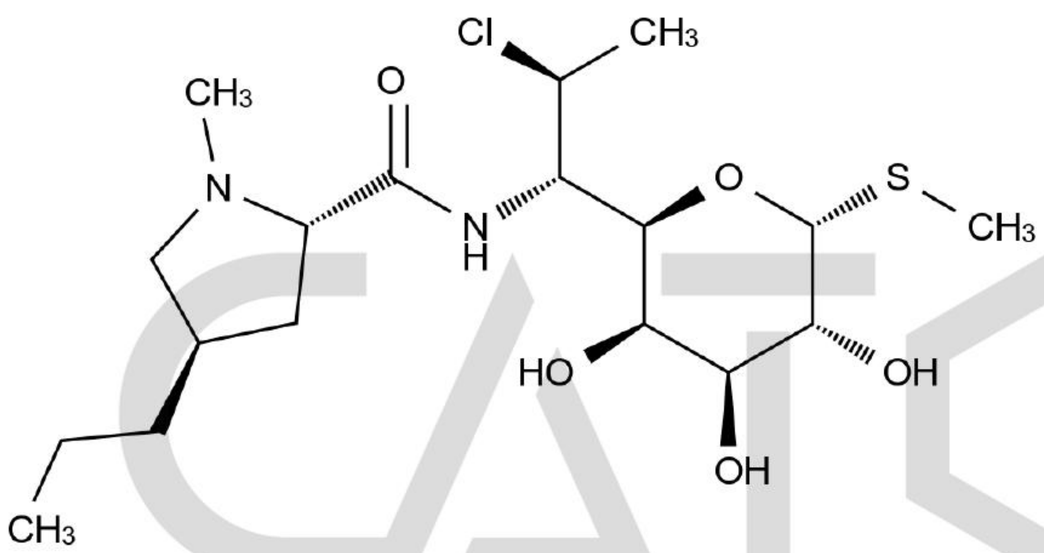
Certificate of Analysis

Reference Material & Standard

Product Name:	Clindamycin Phosphate EP Impurity E	**Catalogue Number:**	C4X-134177
Synonyms:	Clindamycin	**Lot Number:**	1112-RH-0059
CAS Number:	18323-44-9	**Expiry Date:**	Nov 16, 2030
Molecular Formula:	$C_{18}H_{33}ClN_2O_5S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	424.98	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	98.683%
Loss on Drying	TGA	3.0074%
Assay	Mass Balance	95.7%

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Comment:

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

Signature:

Prepared by: Alice Date: Nov 17, 2026

Reviewed by: Koi Date: Nov 17, 2026

Approved by General Manager: David Date: Nov 17, 2026

CATO Research Chemicals Inc.