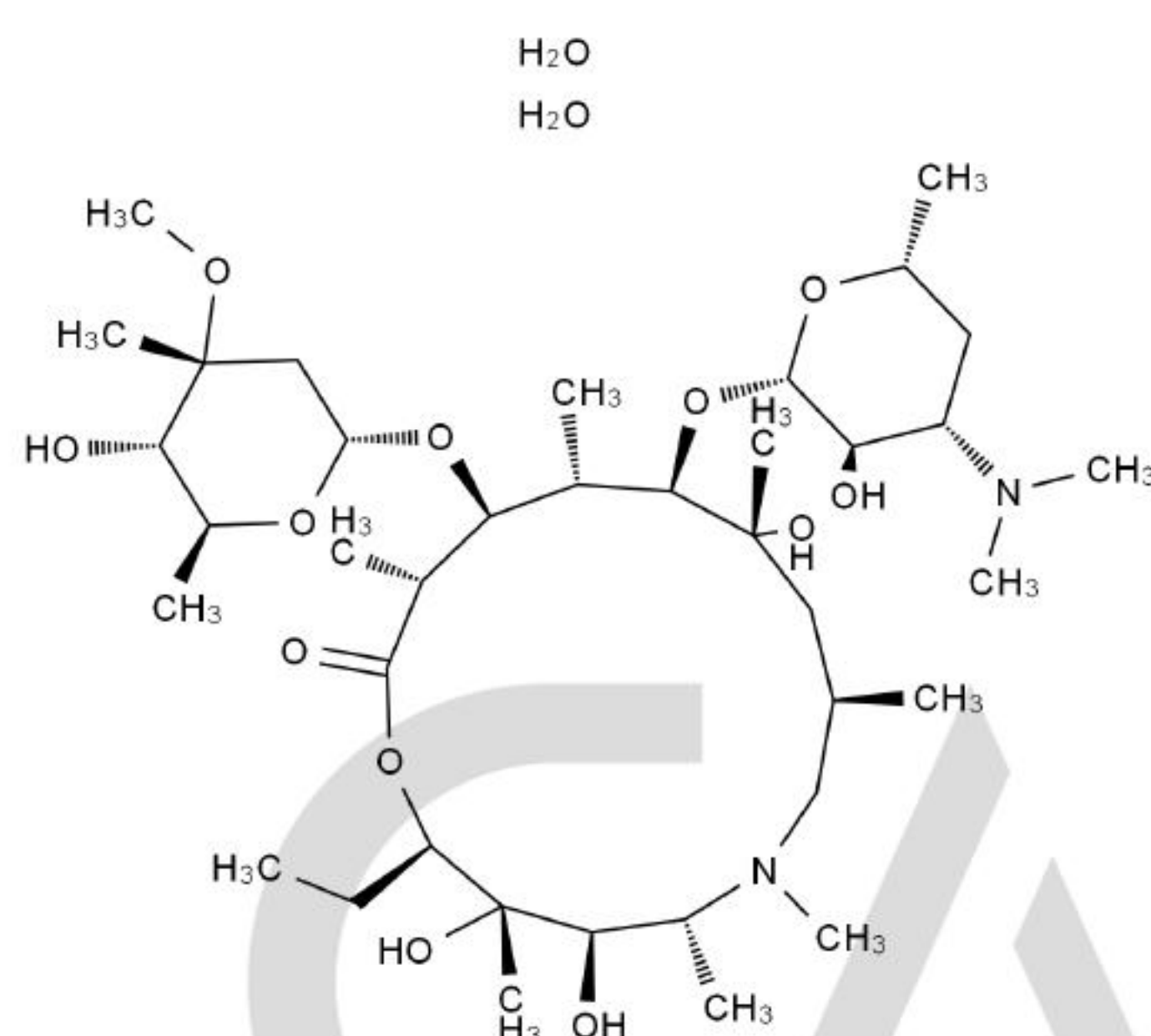


Certificate of Analysis

Reference Material & Standard

Product Name:	Azithromycin Dihydrate	Catalogue Number:	CCAD300079
Synonyms:	N/A	Lot Number:	0320-RH-0035
CAS Number:	117772-70-0	Expiry Date:	Mar 24, 2030
Molecular Formula:	$C_{38}H_{72}N_2O_{12} \cdot 2H_2O$	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	748.98 2*18.02	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss On Drying	TGA	4.5934%
Loss On Drying(Free Water)		0.0024%
Assay		100.0%
Uncertainty		±0.2%

Comment:

- The content of crystal water is 4.5910%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying(Free Water)}) * \text{Purity ELSD (\%)} / 100\%$$

Loss On Drying(Free Water) is considered as absolute effect, ELSD purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 25, 2026

Date: Mar 25, 2026

Date: Mar 25, 2026



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