



Certificate of Analysis

Erythromycin USP

Catalog Number: ER1001
Lot Number: 0128902
CAS Number: 114-07-8
Synonym(s): E-Mycin, Erythrocin
Molecular Formula: C₃₇H₆₇NO₁₃
Molecular Weight: 733.93
Storage: 2°C – 8°C
Date of Manufacture: February 14, 2017
Retest Date: February 13, 2020

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Purity (Anhydrous)	85 – 100.5%	96.5%
Specific Rotation	-78° to -71°	-77.0°
Identification	To meet requirements	Conforms
Moisture (KF)	≤ 10.0%	4.3%
Residue After Ignition	≤ 0.2%	0.02%
Thiocyanate	≤ 0.3%	0.2%
Related Substances		
Erythromycin A	≤ 3.0%	< 3.0%
Erythromycin B	≤ 12.0%	< 12.0%
Erythromycin C	≤ 5.0%	< 5.0%
Any Individual Impurity	≤ 3.0%	< 3.0%
Residual Solvents		
Acetone	≤ 0.05%	< 0.05%
n-Butyl Acetate	≤ 0.05%	< 0.05%
No Class 1, 2, 3 or other residual solvents are present.		

Approved by:

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Date: January 28, 2019