



Specification

Erythromycin USP

Catalog Number: ER1001
CAS Number: 114-07-8
Synonym(s): E-Mycin, Erythrocin
Molecular Formula: $C_{37}H_{67}NO_{13}$
Molecular Weight: 733.93
Storage: 2°C – 8°C
Retest Date: Three years after date of manufacture.

Test	Specification
Appearance	White crystalline powder
Purity (Anhydrous)	85 – 100.5%
Specific Rotation	-78° to -71°
Identification	To meet requirements
Moisture (KF)	≤ 10.0%
Residue After Ignition	≤ 0.2%
Thiocyanate	≤ 0.3%
Related Substances	
Erythromycin A	≤ 3.0%
Erythromycin B	≤ 12.0%
Erythromycin C	≤ 5.0%
Any Individual Impurity	≤ 3.0%
Residual Solvents	
Acetone	≤ 0.05%
n-Butyl Acetate	≤ 0.05%

Approved by:

Date: January 28, 2019

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojiraafc.com