

# CERTIFICATE OF ANALYSIS

Product Description      ERYTHROMYCIN, USP GRADE  
Product Number        E344  
Lot Number              09G0344002  
Storage Temperature    Room Temperature  
Molecular Weight       733.92  
Formula                 C<sub>37</sub>H<sub>67</sub>NO<sub>13</sub>  
CAS Number             114-07-8

## Physiochemical Specifications:


TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Ethanol @ 10 mg/mL	Passes
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine Powder; may form clumps	RM-1 Off-White Fine Powder
Solution Appearance Clarity Color	Clear to Slightly Hazy Off-white to off-white with a gray cast	Clear Colorless
Average Time to Dissolve	Within 10 min	Passes
Insolubles	None	Passes
Chromatographic Purity by USP <621>	Minimum 85.0%	93.8%
Identity by IR	Conforms to Reference	Passes
Water Content	Maximum 10.0%	4.5%
USP Required Tests	Meets USP Specifications	Passes

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

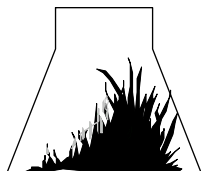
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Recommended Shelf Life Date: June 2011



Gary Seckinger, Ph.D.



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### PhytoTechnology Laboratories®

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