



## Certificate of Analysis

### Lamivudine USP

**Catalog Number:** LA1008  
**Lot Number:** 0122805  
**CAS Number:** 134678-17-4  
**Molecular Formula:**  $C_8H_{11}N_3O_3S$   
**Molecular Weight:** 229.26  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** December 30, 2017  
**Retest Date:** December 29, 2019

Test	Specification	Result
Appearance	White to crystalline powder	Conforms
Purity (HPLC)	98.0 – 102.0%	99.6%
Identification FTIR HPLC	To match reference spectra Retention time matches that of the standard	Conforms Conforms
Melting Point	Report	175.9°C – 177.0°C
Moisture	≤ 2.0%	0.30%
Light Absorption (440nm)	≤ 0.0015	0.0001
Related Substances Cytosine Uracil RRT0.4 RRT0.9 Salicylic Acid Any Unspecific Impurity Total Impurities	Report Report Report Report Report Report Report	0.007% Not detected 0.12% 0.06% Not detected 0.03% 0.22%
Residual Solvents Alcohol Isopropyl Acetate Methanol Triethylamine Total Residual Solvents	≤ 0.2% ≤ 0.2% ≤ 0.1% ≤ 0.1% ≤ 0.3%	Not detected 0.113% Not detected Not detected 0.2%

This batch meets the specifications for USP40.

Approved by:

John Grubb, PhD

Date: January 22, 2018



# Gojira Fine Chemicals, LLC

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