

# High Performance Liquid Chromatography

## 1. Analysis Information

Product Name: Zidovudine  
 Operator: David  
 Injection Date: 10/24/2017 6:05:06 PM  
 Batch No.: 5

## 2. HPLC Condition

Column: Athena C18, 3  $\mu$ m, 2.1mm  $\times$  100 mm  
 Solvent A: 0.1% H<sub>3</sub>PO<sub>4</sub> in 100% Acetonitrile  
 Solvent B: 0.1% H<sub>3</sub>PO<sub>4</sub> in 100% Water

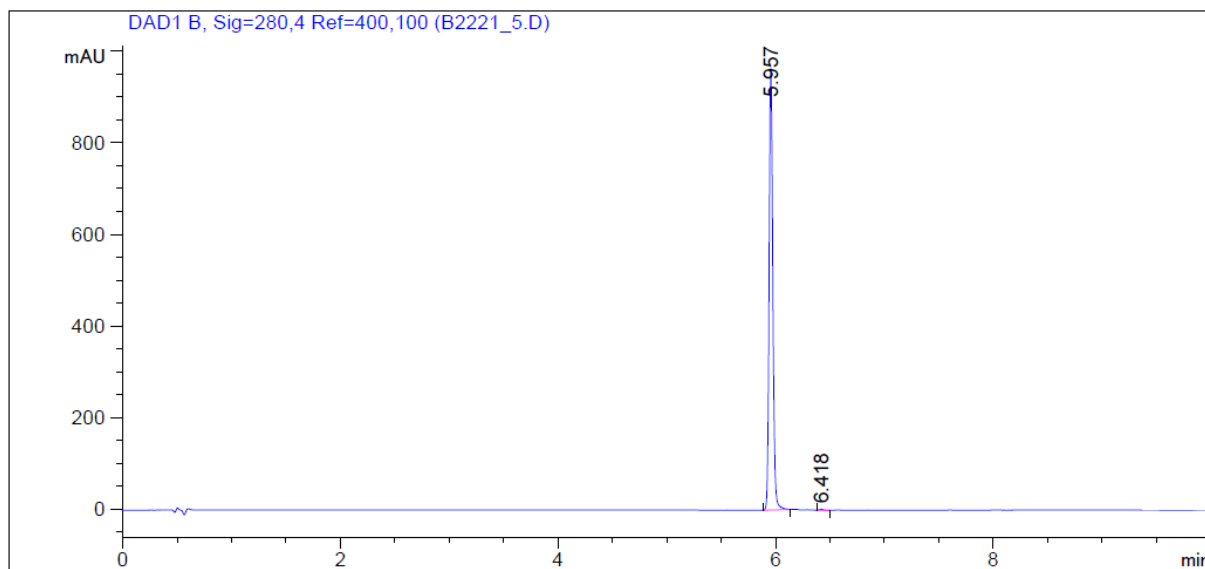
| Gradient: | Time     | A    | B    |
|-----------|----------|------|------|
|           | 0.0min   | 0%   | 100% |
|           | 2.0min   | 0%   | 100% |
|           | 7.0min   | 95%  | 5%   |
|           | 10.0 min | 95%  | 5%   |
|           | 10.0min  | Stop | Stop |

Flow rate: 0.45ml/min

Wavelength: 280nm

Volume: 10 $\mu$ l

## 3. Result



| Rank | RetTime(min) | Area(mAU*s) | Area %  |
|------|--------------|-------------|---------|
| 1    | 5.957        | 2301.10767  | 99.7916 |
| 2    | 6.418        | 4.80461     | 0.2084  |