



# High Performance Liquid Chromatography

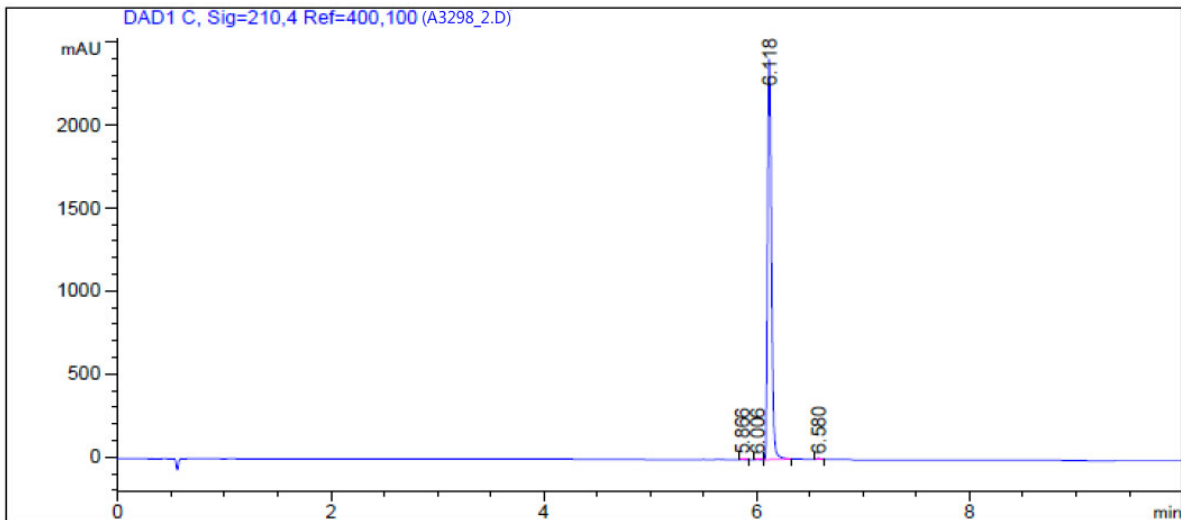
## 1. Analysis Information

|                 |                     |
|-----------------|---------------------|
| Product Name:   | Cetirizine          |
| Operator:       | David               |
| Injection Date: | 8/6/2016 5:08:15 AM |
| Batch No.:      | 4                   |

## 2. HPLC Condition

| Column:     | Athena C18, 3 $\mu$ m, 2.1mm $\times$ 100 mm   |      |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
|-------------|--|------|------|---|---|--------|----|------|--------|----|------|--------|-----|----|---------|-----|----|---------|------|------|
| Solvent A:  | 0.1% H3PO4 in 100% Acetonitrile  |      |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| Solvent B:  | 0.1% H3PO4 in 100% Water   |      |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| Gradient:   | <table border="1"><thead><tr><th>Time</th><th>A</th><th>B</th></tr></thead><tbody><tr><td>0.0min</td><td>0%</td><td>100%</td></tr><tr><td>2.0min</td><td>0%</td><td>100%</td></tr><tr><td>7.0min</td><td>95%</td><td>5%</td></tr><tr><td>10.0min</td><td>95%</td><td>5%</td></tr><tr><td>10.0min</td><td>Stop</td><td>Stop</td></tr></tbody></table> |      | Time | A | B | 0.0min | 0% | 100% | 2.0min | 0% | 100% | 7.0min | 95% | 5% | 10.0min | 95% | 5% | 10.0min | Stop | Stop |
| Time        | A  | B    |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| 0.0min      | 0%   | 100% |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| 2.0min      | 0%   | 100% |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| 7.0min      | 95%  | 5%   |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| 10.0min     | 95%  | 5%   |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| 10.0min     | Stop   | Stop |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| Flow rate:  | 0.4ml/min  |      |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| Wavelength: | 210nm  |      |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |
| Volume:     | 10 $\mu$ l   |      |      |   |   |        |    |      |        |    |      |        |     |    |         |     |    |         |      |      |

## 3. Result



| Rank | RetTime(min) | Area(mAU*s) | Area %  |
|------|--------------|-------------|---------|
| 1    | 5.866        | 3.85078     | 0.0624  |
| 2    | 6.006        | 3.76160     | 0.0609  |
| 3    | 6.118        | 6154.45313  | 99.6506 |
| 4    | 6.580        | 13.96561    | 0.2261  |