



# High Performance Liquid Chromatography

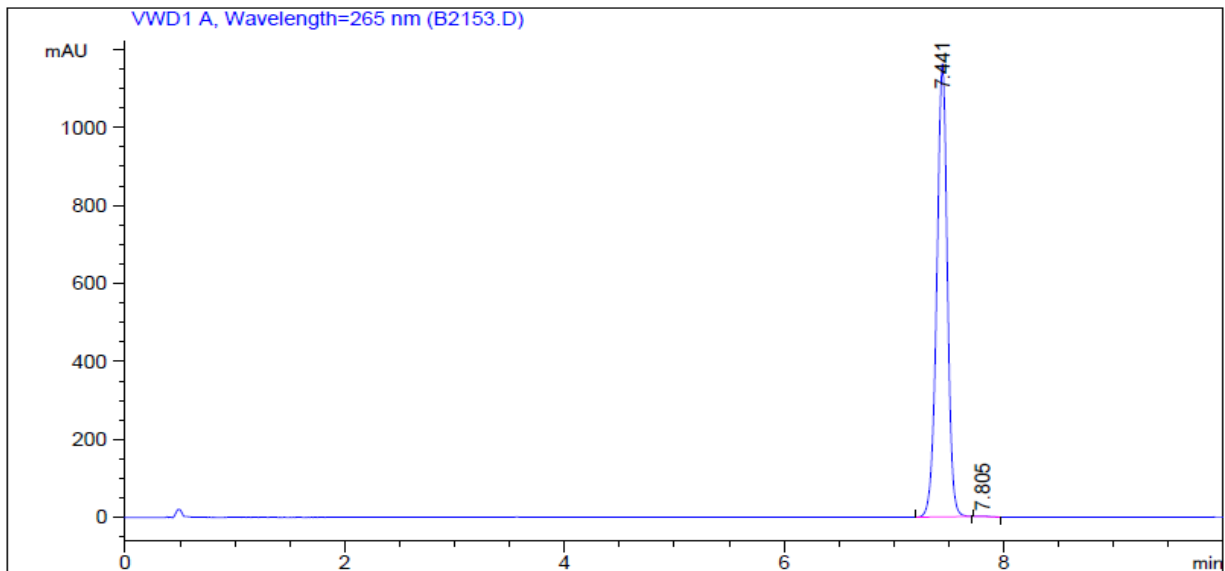
## 1. Analysis Information

|                 |                       |
|-----------------|-----------------------|
| Product Name:   | Alfacalcidol          |
| Operator:       | David                 |
| Injection Date: | 1/29/2016 10:00:11 AM |
| Batch No.:      | 1                     |

## 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>10%</td><td>90%</td></tr><tr><td>3.5min</td><td>95%</td><td>5%</td></tr><tr><td>8.0min</td><td>95%</td><td>5%</td></tr><tr><td>9.0min</td><td>10%</td><td>90%</td></tr><tr><td>10.0min</td><td>10%</td><td>90%</td></tr><tr><td>10.0min</td><td>Stop</td><td>Stop</td></tr></tbody></table> |      | Time | A | B | 0.0min | 10% | 90% | 3.5min | 95% | 5% | 8.0min | 95% | 5% | 9.0min | 10% | 90% | 10.0min | 10% | 90% | 10.0min | Stop | Stop |
| Time        | A  | B    |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| 0.0min      | 10%  | 90%  |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| 3.5min      | 95%  | 5%   |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| 8.0min      | 95%  | 5%   |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| 9.0min      | 10%  | 90%  |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| 10.0min     | 10%  | 90%  |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| 10.0min     | Stop   | Stop |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| Flow rate:  | 0.4ml/min  |      |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| Wavelength: | 265nm  |      |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |
| Volume:     | 10 $\mu$ l   |      |      |   |   |        |     |     |        |     |    |        |     |    |        |     |     |         |     |     |         |      |      |

## 3. Result



| Rank | RetTime(min) | Area(mAU*s) | Area %  |
|------|--------------|-------------|---------|
| 1    | 7.441        | 7801.55664  | 99.8830 |
| 2    | 7.805        | 9.13823     | 0.1170  |