

# Analysis Report

Prepared For: \_\_\_\_\_

Prepared By: \_\_\_\_\_

## Analytical method

Mobile Phase A: Water

Mobile Phase B: Methanol

Wavelength: 241 nm

## Testing Site and Date

Testing Site: \_\_\_\_\_

Testing Date: 01/23/15

## Analyte

Product name: 202180-w

Name: D---Testosterone Isocaproate

Condition while received: Well

Storage Condition after received: Room Temperature

There was no discrepancy when sample received.

## Analytical Instrument

Equipment: High-Performance Liquid Chromatography

ID Number: HPLC-025

Software: Millennium v. 4.00

## Result (original chromatograms see attachment):

Assay Percent %: 97.5%

Analyst: \_\_\_\_\_

Date: 1/26/15

Auditor: \_\_\_\_\_

Date: 01/26/15

Project: PF15F0014  
Analytical Run: AR04 TI

Current Date: 1/23/2015  
Current Time: 2:21:54 PM

**Peak Results**  
**Name: TI**

|   | SampleName  | Name | Sample Type | Area    | Retention Time (min) | Concentration | Units | Dilution |
|---|-------------|------|-------------|---------|----------------------|---------------|-------|----------|
| 1 | TI 5ug/mL   | TI   | Standard    | 257036  | 5.900                | 5.00000       | ug/mL | 1.00     |
| 2 | TI 10ug/mL  | TI   | Standard    | 496609  | 5.886                | 10.00000      | ug/mL | 1.00     |
| 3 | TI 20ug/mL  | TI   | Standard    | 994488  | 5.888                | 20.00000      | ug/mL | 1.00     |
| 4 | TI 50ug/mL  | TI   | Standard    | 2519622 | 5.897                | 50.00000      | ug/mL | 1.00     |
| 5 | TI 100ug/mL | TI   | Standard    | 4922033 | 5.894                | 100.00000     | ug/mL | 1.00     |
| 6 | S1 20ug/mL  | TI   | Unknown     | 979004  | 5.890                | 19.55578      | ug/mL | 1.00     |
| 7 | S1 20ug/mL  | TI   | Unknown     | 978486  | 5.898                | 19.54525      | ug/mL | 1.00     |
| 8 | S1 20ug/mL  | TI   | Unknown     | 977765  | 5.897                | 19.53062      | ug/mL | 1.00     |



Project: PF15F0014

Intercept: 16076.988673

Compound: TI

Slope: 49240.008414

Analytical Run: AR04 TI

r: 0.999925

Current Date: 1/23/2015

Fit Type: Linear (1st Order)

Current Time: 2:22:06 PM

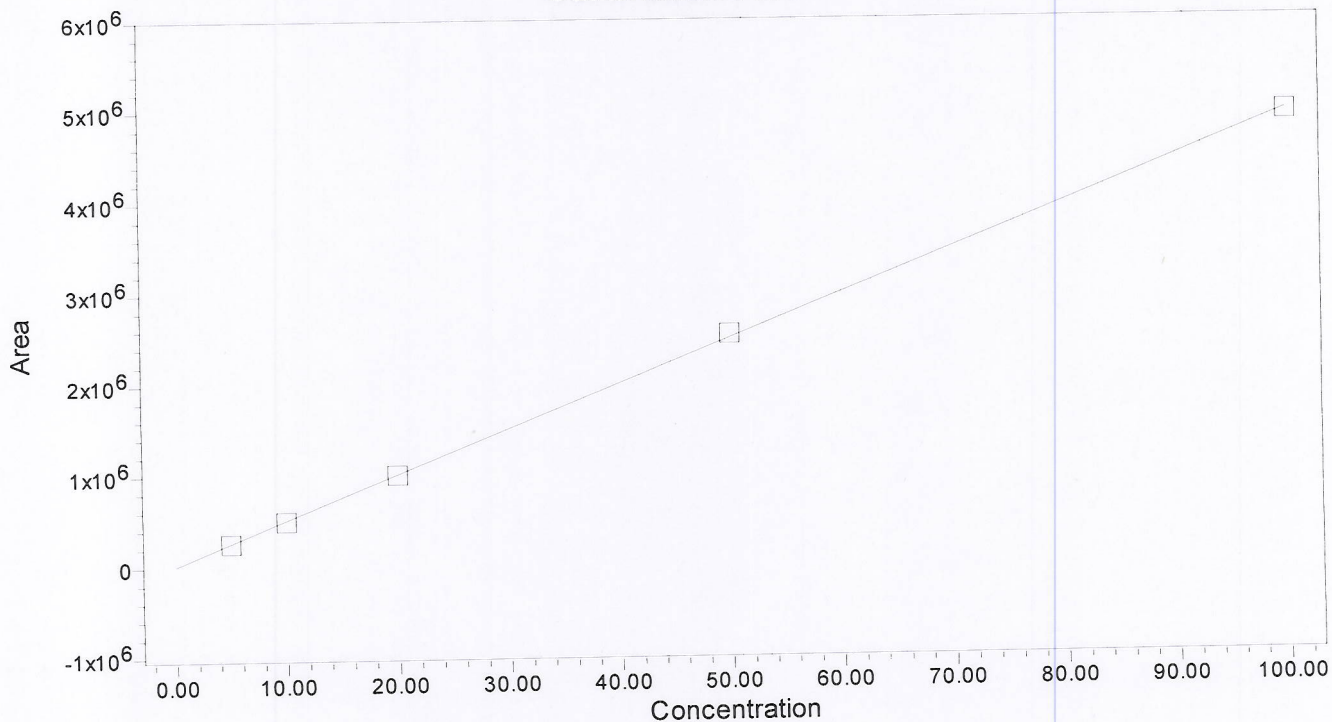
Weighting: None

Date Calibrated: 1/23/2015 12:40:36 PM

Date Acquired: 1/23/2015 10:58:36

Units: ug/mL

### Calibration Plot



|   | Name | Level | X Value    | Response       | Calc. Value | % Deviation | Manual | Ignore |
|---|------|-------|------------|----------------|-------------|-------------|--------|--------|
| 1 | TI   | W1    | 5.000000   | 257035.500000  | 4.893551    | -2.12897    | No     | No     |
| 2 | TI   | W2    | 10.000000  | 496609.000000  | 9.758975    | -2.41025    | No     | No     |
| 3 | TI   | W3    | 20.000000  | 994488.000000  | 19.870245   | -0.64878    | No     | No     |
| 4 | TI   | W4    | 50.000000  | 2519621.500000 | 50.843706   | 1.68741     | No     | No     |
| 5 | TI   | W5    | 100.000000 | 4922032.500000 | 99.633523   | -0.36648    | No     | No     |

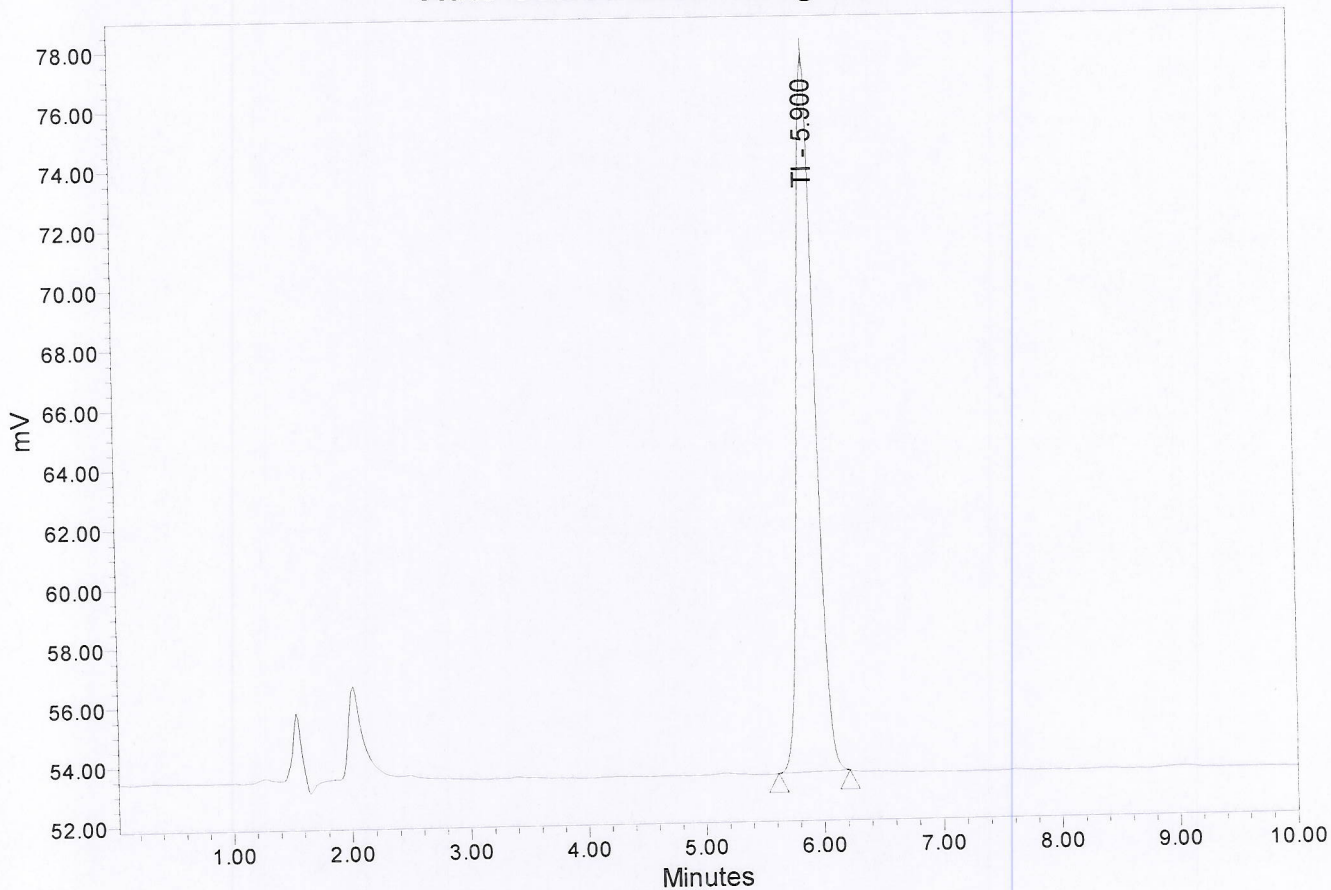
Software Version 4.00

Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:12 PM  
Date Acquired: 1/23/2015 10:58:36  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: TI 5ug/mL  
Injection Id: 2222

### Auto-Scaled Chromatogram



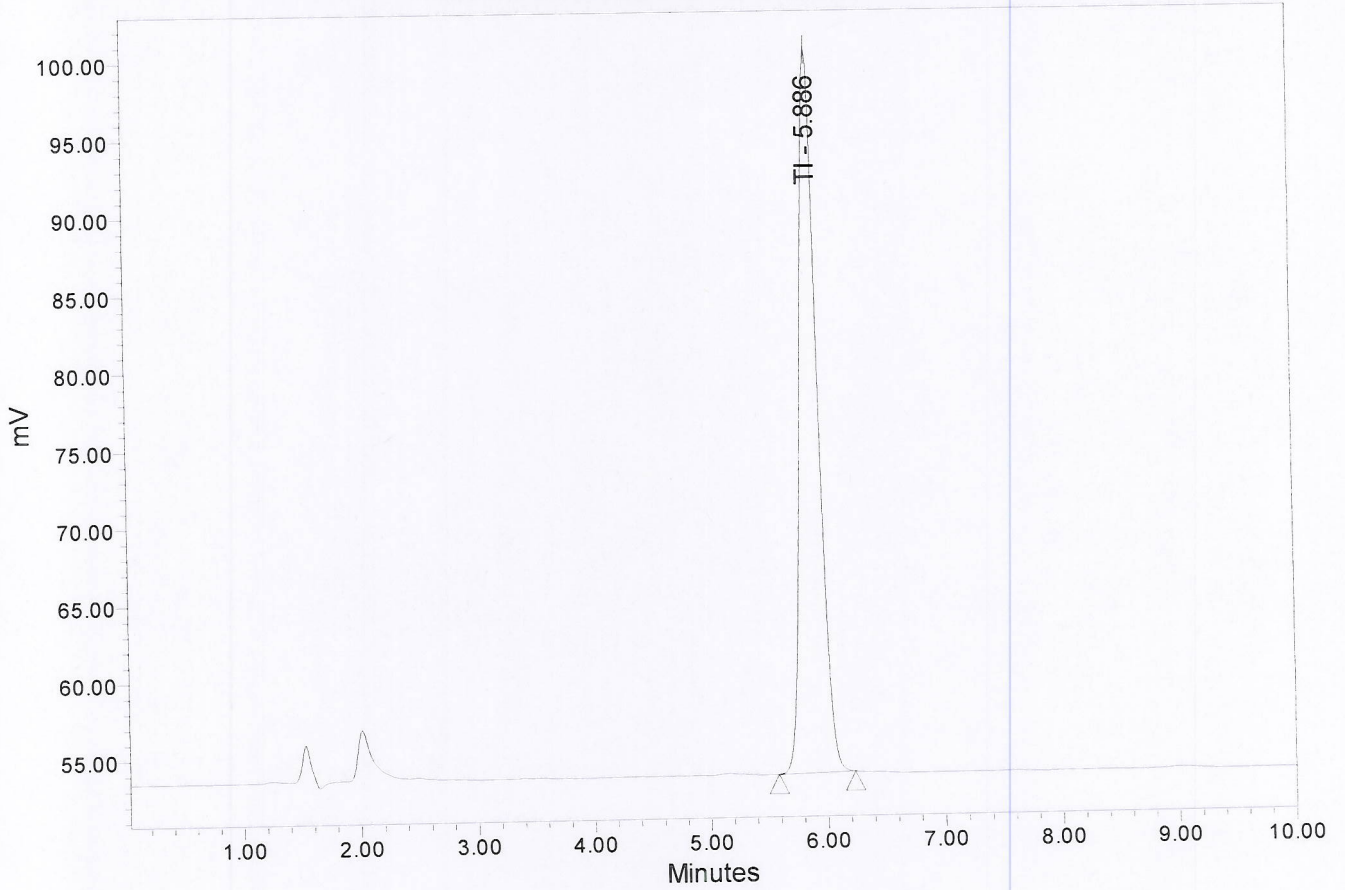
| Name | SampleName | RT        | Height | Area  | Vial   | % Area |        |
|------|------------|-----------|--------|-------|--------|--------|--------|
| 1    | TI         | TI 5ug/mL | 5.900  | 24246 | 257036 | 1      | 100.00 |

Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:15 PM  
Date Acquired: 1/23/2015 11:09:24  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: TI 10ug/mL  
Injection Id: 2225

### Auto-Scaled Chromatogram



| Name | SampleName | RT         | Height | Area  | Vial   | % Area |        |
|------|------------|------------|--------|-------|--------|--------|--------|
| 1    | TI         | TI 10ug/mL | 5.886  | 47048 | 496609 | 2      | 100.00 |

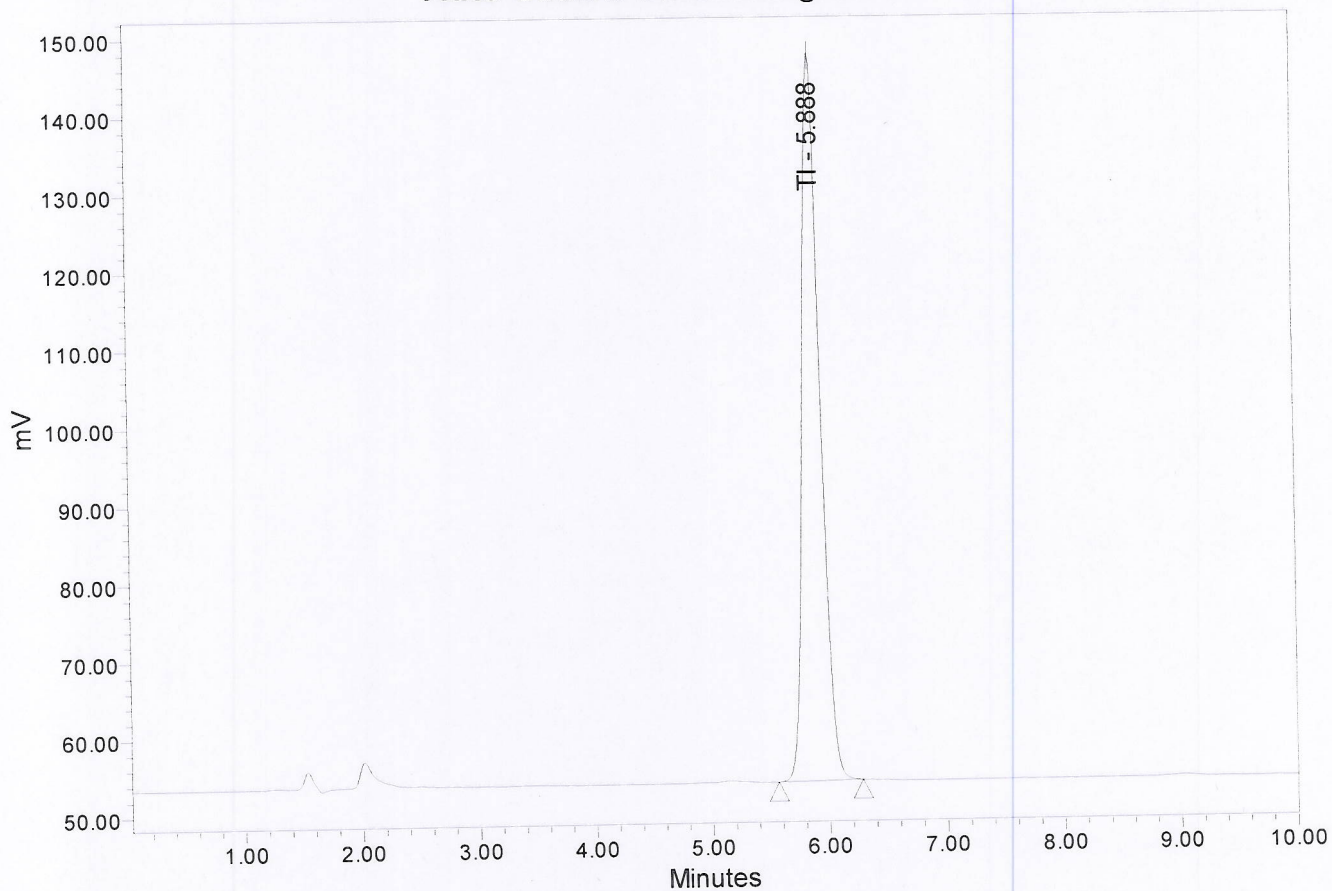


Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:17 PM  
Date Acquired: 1/23/2015 11:20:12  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: TI 20ug/mL  
Injection Id: 2228

### Auto-Scaled Chromatogram



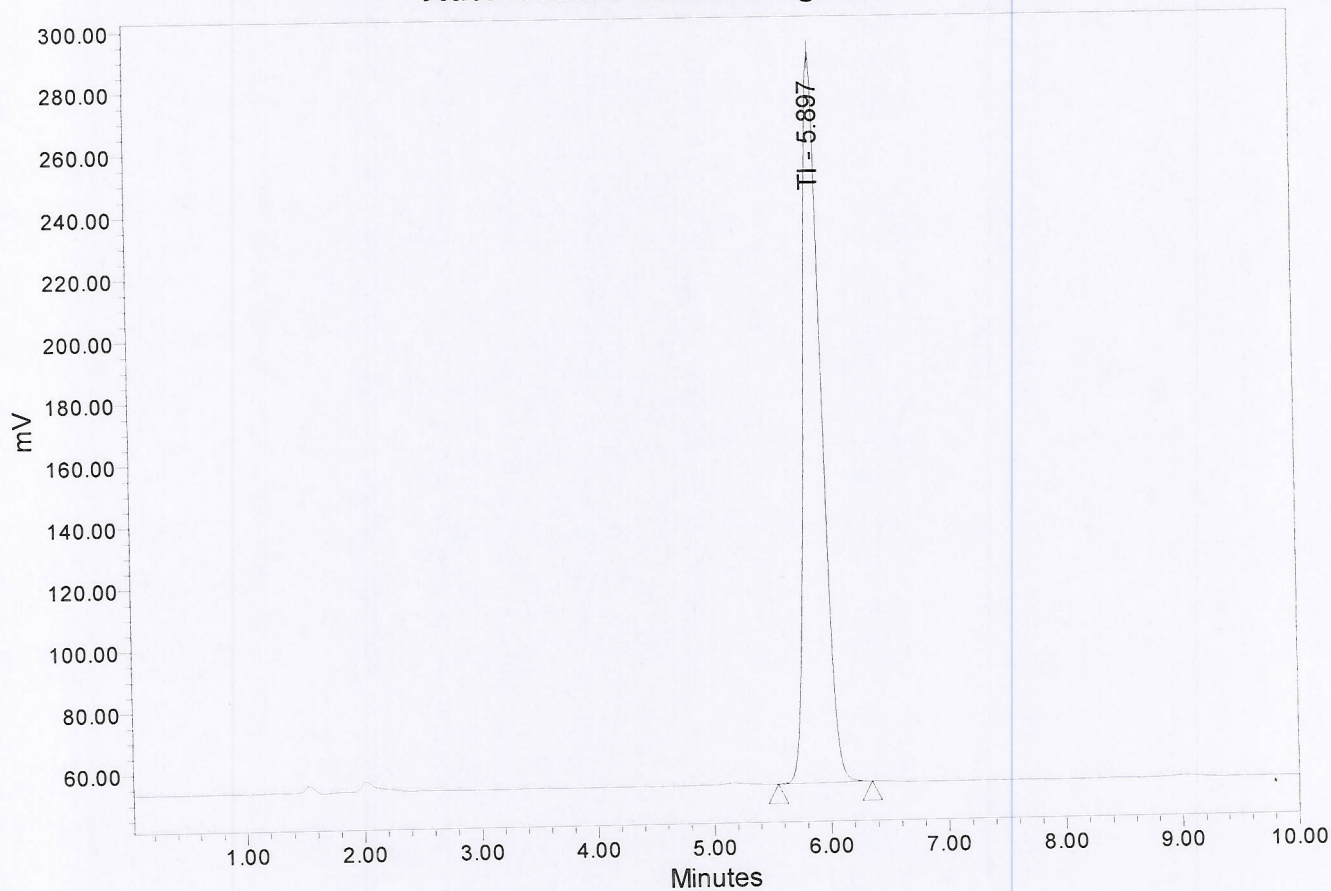
| Name | SampleName | RT        | Height | Area  | Vial   | % Area |        |
|------|------------|-----------|--------|-------|--------|--------|--------|
| 1    | TI         | TI20ug/mL | 5.888  | 94080 | 994488 | 3      | 100.00 |

Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:19 PM  
Date Acquired: 1/23/2015 11:31:01  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: TI 50ug/mL  
Injection Id: 2231

### Auto-Scaled Chromatogram



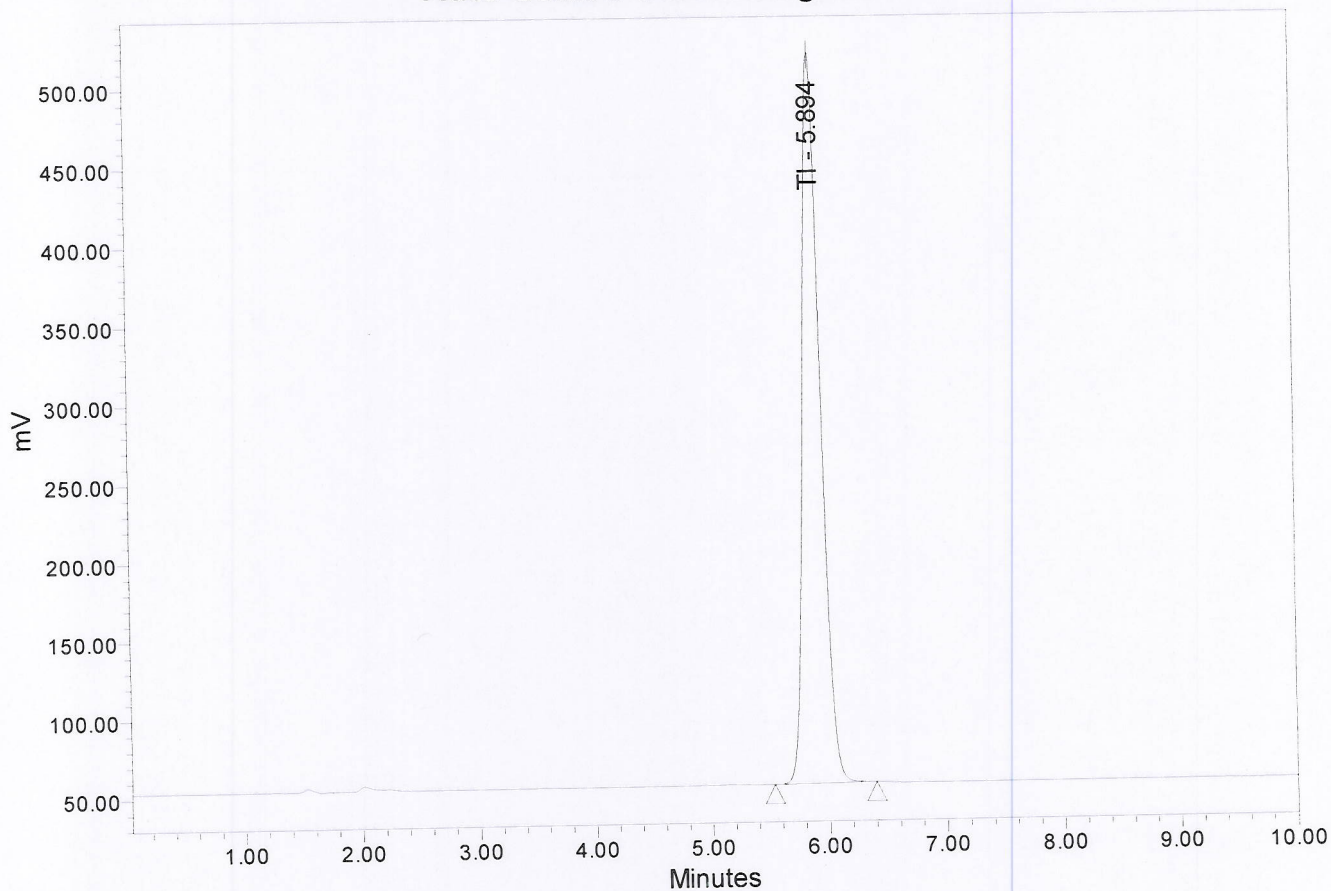
| Name | SampleName | RT         | Height | Area   | Vial    | % Area |        |
|------|------------|------------|--------|--------|---------|--------|--------|
| 1    | TI         | TI 50ug/mL | 5.897  | 237159 | 2519622 | 4      | 100.00 |

Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:20 PM  
Date Acquired: 1/23/2015 11:41:49  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: TI 100ug/mL  
Injection Id: 2234

### Auto-Scaled Chromatogram



| Name | SampleName | RT          | Height | Area   | Vial    | % Area |        |
|------|------------|-------------|--------|--------|---------|--------|--------|
| 1    | TI         | TI 100ug/mL | 5.894  | 466894 | 4922033 | 5      | 100.00 |

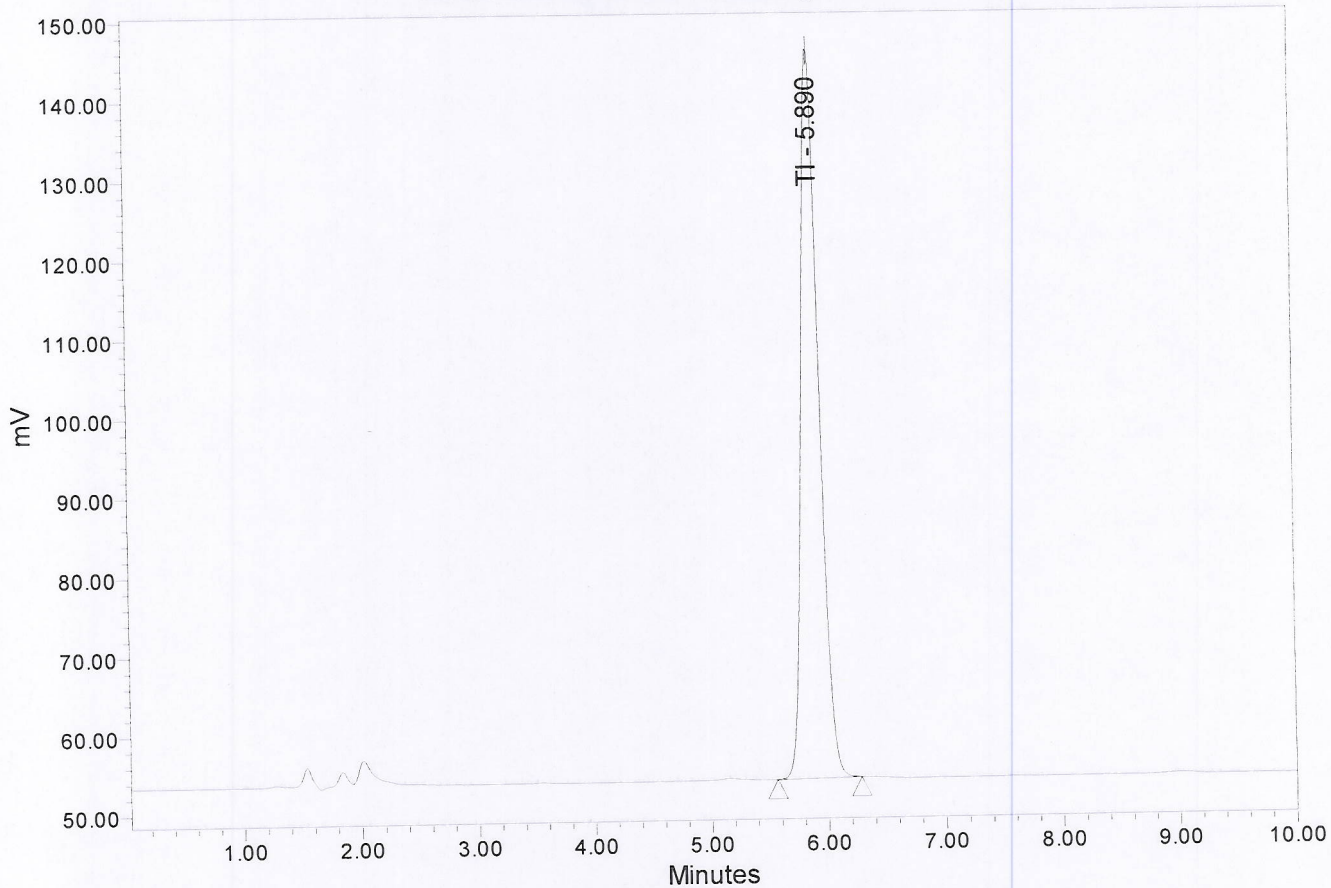


Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:23 PM  
Date Acquired: 1/23/2015 11:52:38  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: S1 20ug/mL  
Injection Id: 2237

### Auto-Scaled Chromatogram



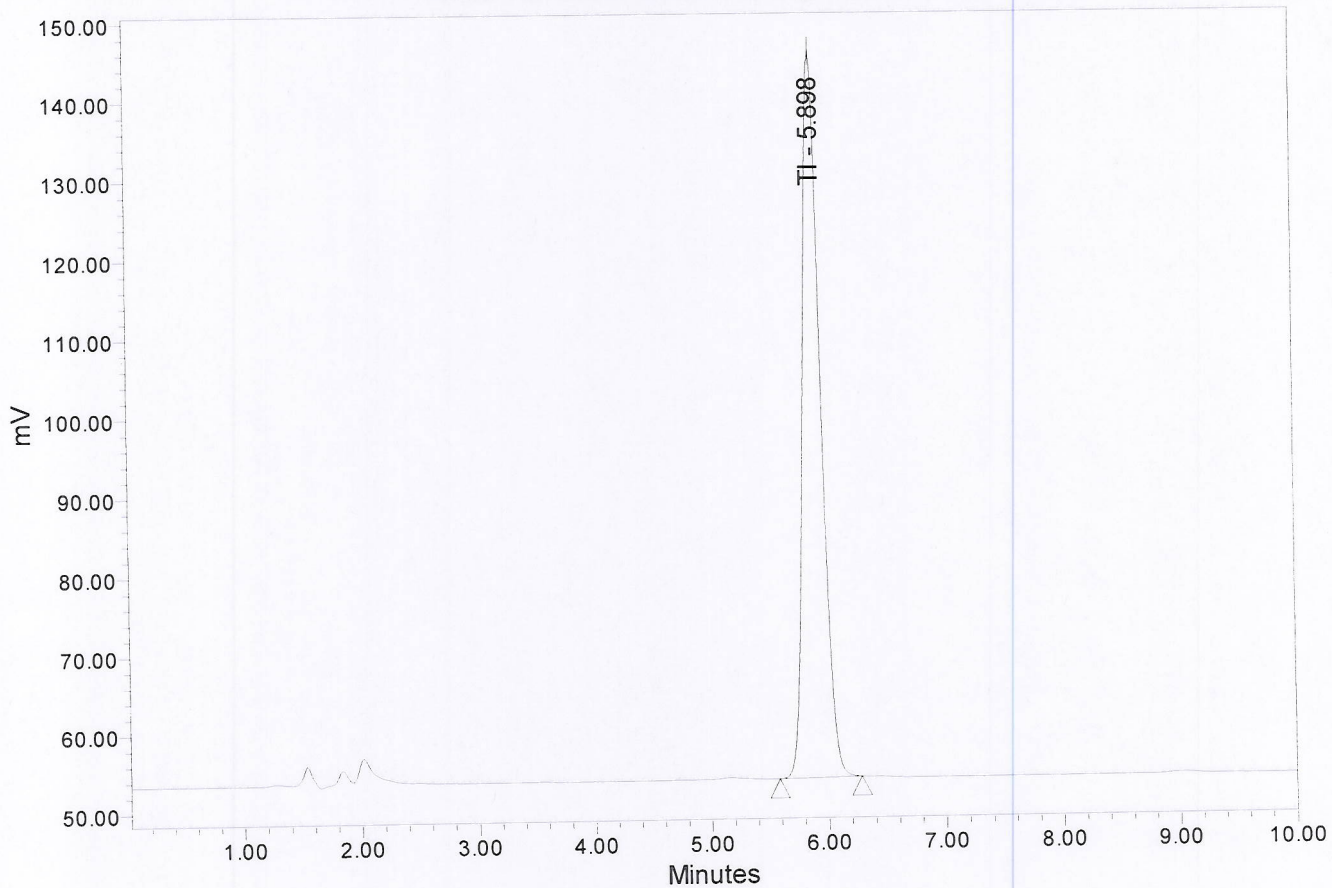
| Name | SampleName | RT         | Height | Area  | Vial   | % Area |        |
|------|------------|------------|--------|-------|--------|--------|--------|
| 1    | TI         | S1 20ug/mL | 5.890  | 92620 | 979004 | 6      | 100.00 |

Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:24 PM  
Date Acquired: 1/23/2015 12:03:26  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: S1 20ug/mL  
Injection Id: 2240

### Auto-Scaled Chromatogram



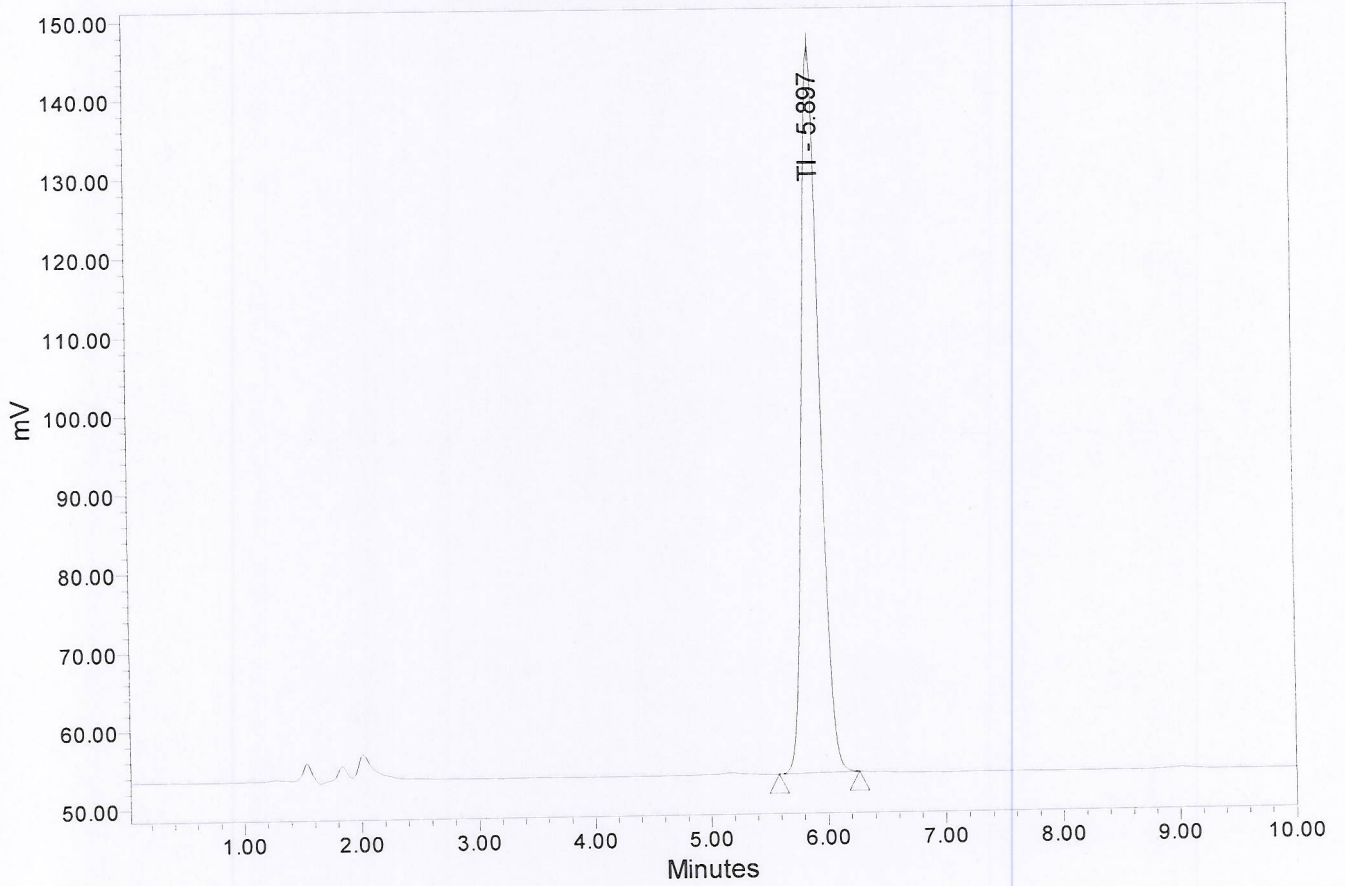
| Name | SampleName | RT         | Height | Area  | Vial   | % Area |        |
|------|------------|------------|--------|-------|--------|--------|--------|
| 1    | TI         | S1 20ug/mL | 5.898  | 92491 | 978486 | 7      | 100.00 |

Project: PF15F0014  
Compound: TI

Current Date: 1/23/2015  
Current Time: 2:22:26 PM  
Date Acquired: 1/23/2015 12:14:13  
Date Calibrated: 1/23/2015 12:40:36

Analytical Run: AR04 TI  
Text: S1 20ug/mL  
Injection Id: 2243

### Auto-Scaled Chromatogram



| Name | SampleName | RT         | Height | Area  | Vial   | % Area |        |
|------|------------|------------|--------|-------|--------|--------|--------|
| 1    | TI         | S1 20ug/mL | 5.897  | 92907 | 977765 | 8      | 100.00 |



AR04 Testosterone Isocaproate

HPLC Condition

Solvent A: Water

Solvent B: Methanol

Mobile Phase: Solvent A:Solvent B (10:90, v/v)

Flow Rate (mL/min): 1.00

Wavelength:241 nm

Column: ZORBAX Eclipse Plus dC18, 150 × 4.6 mm, 5 μm, Agilent

|      | Calculated Conc.(ug/mL) | Mean Actual Conc.(ug/mL) | Theoretical Conc.(ug/mL) | Assay Percent % |
|------|-------------------------|--------------------------|--------------------------|-----------------|
| S1-1 | 19.6                    | 19.5                     | 20.0                     | 97.5            |
| S1-2 | 19.5                    |                          |                          |                 |
| S1-3 | 19.5                    |                          |                          |                 |