

## *Analysis results of Aloe Vera Powder X-200 In Beheshti University*

### *White or Gel Powder*

| HPLC WORK SHEET                                                                                                                                                                                                    |                                    |                  |             |                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------|-------------|-----------------------------------|
| Aloe vera white powder                                                                                                                                                                                             |                                    |                  |             |                                   |
| <b>Instrument Code:</b>                                                                                                                                                                                            |                                    |                  |             |                                   |
| Column ID:                                                                                                                                                                                                         | C18 15cm                           | Method:          | Isocratic   | Gradient <input type="checkbox"/> |
| Temperature:                                                                                                                                                                                                       | 25 °C                              | Detector: UV     |             |                                   |
| Flow rate:                                                                                                                                                                                                         | 0.8 mL/min                         |                  | References: | USP 41                            |
| Mobile phase:                                                                                                                                                                                                      | ACN: Water (phosphoric acid)       |                  |             |                                   |
| <b>Standard Specification</b>                                                                                                                                                                                      |                                    |                  |             |                                   |
| Name:                                                                                                                                                                                                              | Batch No:                          | Purity:          | LOD         | Weight                            |
| Aloin A,B                                                                                                                                                                                                          | 1415-73-2                          | 97%              | Methanol    | 100 mg                            |
| Concentration(ppm)                                                                                                                                                                                                 | 1.95-3.9-7.81-15.62-37.25-62.5-125 | RSD              | 0.01        |                                   |
| <b>Sample Assay</b>                                                                                                                                                                                                |                                    |                  |             |                                   |
| Name: Aloe vera gel powder                                                                                                                                                                                         | Batch No: A                        | Aloin A,B: 1.56% | RSD: 0.01   |                                   |
| <b>Calculation</b>                                                                                                                                                                                                 |                                    |                  |             |                                   |
| No detect Aloin A,Aloin B                                                                                                                                                                                          |                                    |                  |             |                                   |
| <br>Technical Manager: Dr. Hassan Rezaei<br> |                                    |                  |             |                                   |