



Barad Exir Azma( barad chemical)  
Q.C. Laboratory  
Certificate of Analysis  
(Chemical & Physical Test)

Form No. & Rev.  
BR100  
Form Revision Date:

## فرم آنالیز مواد

|                   |              |                         |                  |
|-------------------|--------------|-------------------------|------------------|
| No. Sample:       | -----        | Operator:               | <b>h.radpour</b> |
| Lab. Pressure:    | -----        | Date:                   | -----            |
| Lab. Temperature: | <b>25 °C</b> | Lab. Relative Humidity: | -----            |

**Name: Diethyl ether**

| NO. | Test Description                                    | Results                  |
|-----|---|--------------------------|
|     |   | Corrected<br>(101.3 kpa) |
| 1   | Purity (GC)   | ≥ 99.7 %                 |
| 2   | Flash point   | -40 °C                   |
| 3   | Solubility  | 69 g/l                   |
| 4   | Color   | ≤ 10 Hazen               |
| 5   | Titration acid                                      | ≤ 0.0002 meq/g           |
| 6   | Density (d 20 °C/20 °C)                             | 0.713 - 0.715            |
| 7   | Boiling point                                       | 34 - 35 °C               |
| 8   | Chloride (Cl)                                       | ≤ 0.00003 %              |
| 9   | Sulfate (SO <sub>4</sub> )                          | ≤ 0.00003 %              |
| 10  | Acetone (GC)  | ≤ 0.005 %                |
| 11  | Ethanol (GC)  | ≤ 0.02 %                 |
| 12  | Matter discolored by H <sub>2</sub> SO <sub>4</sub> | ≤ 10 Hazen               |
| 13  | Cu (Copper)   | ≤ 0.000002 %             |
| 14  | Pb (Lead)   | ≤ 0.00001 %              |
| 15  | Water   | ≤ 0.03 %                 |