



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:	25 °C	Lab. Relative Humidity:	-----

**Name: Ethylene glycol**

NO.	Test Description	Results
		Corrected (101.3 kpa)
1	Purity (GC)	≥ 99.5 %
2	Identity (IR)	conforms
3	Color	≤ 10 Hazen
4	Acidity (as CH <sub>3</sub> COOH)	≤ 0.001 %
5	Density (d 20 °C/20 °C)	1.113 - 1.115
6	Refractive index (n 20/D)	1.431 - 1.433
7	Melting point	-14 - -10 °C
8	Boiling point	196.5 - 198.5 °C
9	Chloride (Cl)	≤ 0.00002 %
10	Fe (Iron)	≤ 0.00005 %
11	Formaldehyde	≤ 0.005 %
12	Substances reducing potassium permanganate (as O)	≤ 0.0003 %
13	Readily carbonizable substances	conforms
14	Sulfated ash	≤ 0.005 %
15	Water	≤ 0.1 %