



Chemistry and Physics Unit

Central Laboratory, College of Science, King Saud University

S. No.	Type of analysis and Services	Instruments	Last user	Lab. No.
1.	Determination of Molecular weight	GPC	Dr. Manawwer Alam	AA 55
2.	Topography	AFM	Dr. Manawwer Alam	AA 55
3.	Determination C,H,N,S,O in %	Elemental Analyzer	Dr. Manawwer Alam	AA 55
4.	Phase transition Temperature	DSC	Dr. Manawwer Alam	AA 55
5.	Weight loss measurements	TGA	Dr. Manawwer Alam	AA 55
6.	Mechanical measurement	DMA	Dr. Manawwer Alam	AA 55
7.	Thermo-mechanical measurements	TMA	Dr. Manawwer Alam	AA 55
8.	Functional Group detection	FTIR	Dr. Manawwer Alam	AA 47
9.	Separation and Molecular Mass Determination	HPLC	Dr. Mohammad Altaf	AA 45
10.	Detection of C,H, and 2d	NMR	Dr. Mohammad Altaf	AA 73
11.	Separation and Molecular Mass Determination	GC-MS	Dr. Naushad Ahmad	AA 45
12.	TPR, TPO and TPD thermal Analysis	Chemosorption Analyzer	Dr. Naushad Ahmad	AA 55
13.	Determination of metallic species	ICP-MS	Dr. Naushad Ahmad	AA 44
14.	Mass measurement	Tof LC	Basel Alrayes	AA 44
15.	Phase and size	XRD	Basel Alrayes	AA90
16.	Elements	XRF	Basel Alrayes	AA90
17.	Irradiation	Gamma Radiation	Basel Alrayes	AA89
18.	Size in nano range	Zetasizer	Basel Alrayes	AA55
19.	Size in micro range	Mastersizer	Basel Alrayes	AA55