Micromeritics

Micromeritics refers to the science and technology of studying small particles, typically in the size range of 0.1 micrometers to 1000 micrometers. This field involves the measurement and analysis of various properties of particles, such as their size distribution, surface area, porosity, and shape

Key concepts within micromeritics include:

- 1. **Particle Size Distribution:** Understanding the range of particle sizes present in a sample and their distribution.
- 2. **Surface Area:** Measurement of the total surface area of particles, which is crucial in many applications, such as catalysis and adsorption.
- 3. **Porosity:** Examining the pores or void spaces within a material, that is important in areas like materials science.

	Particle Siz	e, Diameter	n NG)test	
ore'	Micrometers (µm) (0,0)		Approximate Sieve Size	E a) pres Suspensions, fine emulsions	
FIC	10-50	0.010	-	Upper limit of subsieve range, coarse emulsion particles; flocculated suspension particles	
	50-100	0.050- 0.100	325-140	Lower limit of sieve range, fine powder range	
	150-1000	0.150- 1.000	100-18	Coarse powder range	
	1000- 3360	1.000- 3.360	18-6	Average granule size	