

LAB REPORT: PARTICLE SIZE DISTRIBUTION (P.S.D)

1. Title

Determination of Particle Size Distribution of Powder Sample

2. Objective

To analyze the particle size distribution of a powder sample using sieve analysis and laser diffraction

3. Introduction

Particle Size Distribution (PSD) is a critical parameter in material science, influencing flow properties

6. Results

Representative Particle Size Distribution Data

< 75 μm : 15%

75–150 μm : 30%

150–300 μm : 35%

300–600 μm : 15%

> 600 μm : 5%