

Abstract Submitted
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Characterization of Acryl amide Resins Using Static Light Scattering SUMIT LIBI, DAVID NORWOOD, Southeastern Louisiana Univerisity — Our research is based on the use of light scattering technique for the characterization of known and unknown particles within a liquid. The research focused specifically on the detection of resin polymer that may be present in the given samples using static light scattering. The sample was delivered into a high performance liquid chromatography system with static light scattering, refractive index and viscosity detectors. Static Light scattering measures the intensity of the light scattered as the function of scattering angle and polymer sample concentration. Based on these results the molecular weight and radius of gyration of the given sample can be calculated.

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