

Abstract Submitted
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Light scattering measurement of sodium polyacrylate products

NISHA LAMA, DAVID NORWOOD, Southeastern Louisiana Univ, STEVEN BOONE, VALERIE MASSIE-BOYER, Bercen Inc. — In the presentation, we will describe the use of a multi-detector HPLC incorporating the DAWN EOS multi-angle laser light scattering (MALLS) detector to measure the properties such as molecular weight, RMS radius, contour and persistence length and polydispersity of sodium polyacrylate products. The samples of sodium polyacrylate are used in various industries as thickening agents, coating dispersants, artificial snow, laundry detergent and disposable diapers. Data and results obtained from the experiment will be presented.

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