

Improving Flow of Cohesive Powders by Nanocoating

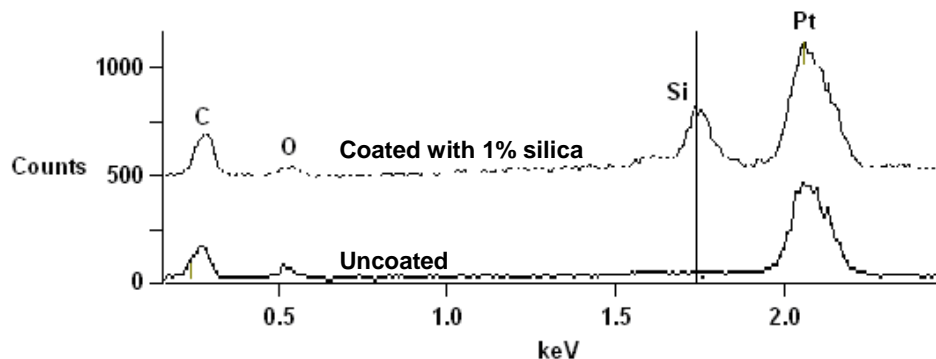
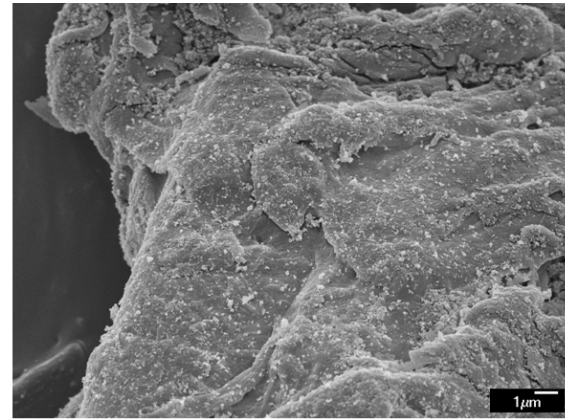
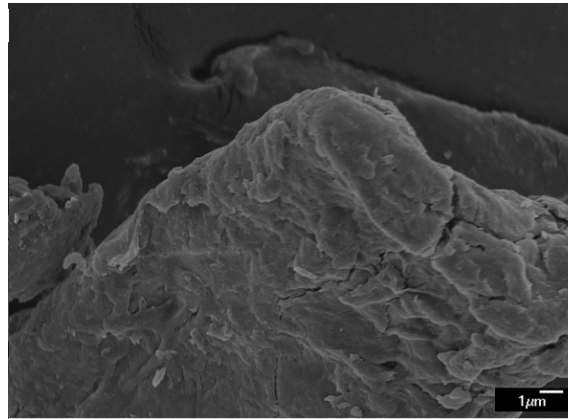
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NNIN Facility utilized: Characterization Facility

DESCRIPTION OF WORK

- ◆ We profoundly improved flow of a common pharmaceutical powder, Avicel PH105, by coating nanosized silica.



MAJOR OBSERVATIONS

- ◆ SEM images and EDS data were critical in proving silica particles were indeed coating the host particles

Publications

S. Chatteraj, L. Shi, C.C. Sun, A scalable dry nanocoating process for improved flow properties of cohesive powders. J. Pharm. Sci. Submitted (2011)