

AmorF_x ACADEMIC CONSORTIUM

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Summary

The academic consortium AmorF_x is a collaboration between university research groups. Its aim is to determine the key aspects of drug substances, excipients and manufacturing processes which are critical to ensure product quality, especially in the area of inhaled drug delivery. AmorF_x is a hierarchy of analytical techniques organised into a map that allows the development of analytical protocols for the detection and possible quantification of process induced disorder specific to the material under study. The talk will describe the role of a number of thermal and material characterisation techniques within the map by presenting experimental data that illustrates calibration dilemmas, and the role of the physical properties of the feed material on the amorphous content and stability of milled powders.