Technical Report

TA No. 066 Thermal Analysis / Dynamic Mechanical Analysis

Observing Pharmaceutical Crystal Flow by Real View DSC 2012.03

Thermal analysis is indispensable for quality control, and for research and development in the medical field. Differential scanning calorimetry (DSC) can evaluate crystal polymorphism, crystal quality, the component ratio and the melting point, and is used for examining processing and storage conditions for pharmaceuticals.

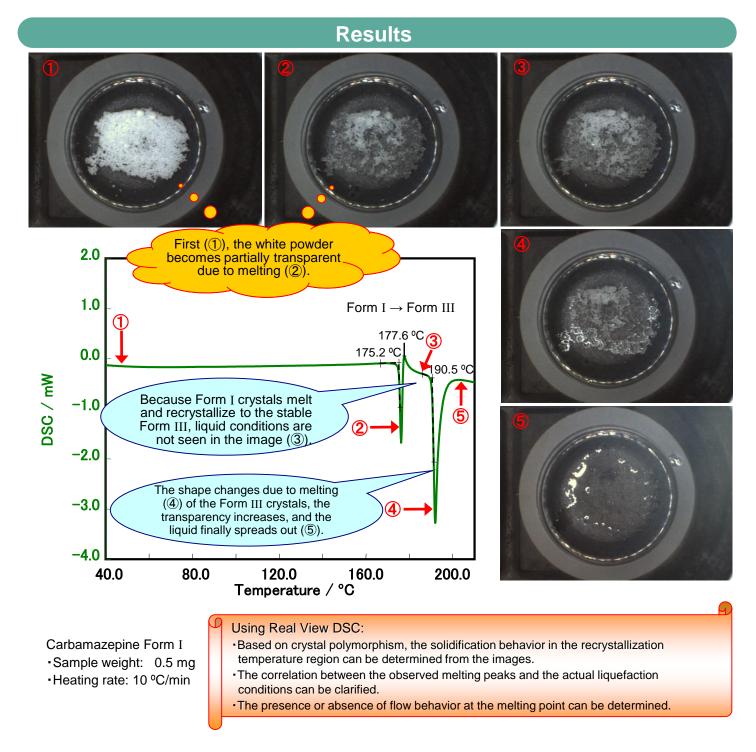
The degree of liquidity of a melted substance affects the efficiency of its transport to the next process and its formability, so validation of the heating temperature is required.

In this report, medicinal powder is measured using Real View DSC to determine the effect of polymorphism on its flow behavior during melting.



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