

Viscosity Profile of Body Lotion

Application Proof

A viscosity profile is constructed by measuring viscosity under various conditions (e.g. variable temperature, shear rate etc.) that mimic process conditions. It is therefore useful in the optimization of key process parameters such as formulation, flow rate, pump size and storage conditions to meet specific process and end-user requirements. For example, it can be used to assess the thickness or thinness of a lotion under various storage and transport conditions that may impact customer perception of product quality.

Instrument/Run Parameters

Manufacturer/Model: ATS RheoSystems/
Stresstech Rheometer

Measuring System 25 mm Parallel Plates

Geometry:

Shear Rate Range (1/s): 0.5 – 3,000

Temperature (°C): 25

Sample Parameters

Sample Type: Commercially available
body lotion

Pretreatment: None

Sample Size: 1 mL

