

Viscosity Profile of Food Waste Slurry

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.

Instrument/Run Parameters

Manufacturer/Model: ATS RheoSystems/ BLACK PEARL Rheometer
Measuring System: 14 mm Vane Tool and DIN
Geometry: Standard Cup
Shear Rate Range (1/s): 10 - 300
Temperatures (°C): 5, 10, 15, 20

Sample Parameters

Sample Type: Municipal waste food slurry
Pretreatment: Refrigerate
Sample Size: 15 mL

