

OMNI International

The Homogenizer Company

Application Note

Fibrous Material (Skin) Homogenization

- **Sample Weight:** 30 Grams Dry
- **Liquid Medium:** Liquid Nitrogen
- **Total Sample Volume:** ~1 Liter
- **Tube Size:** 1 Liter Container

⇒ **Desired End Result:** Particle Size in the 25 - 500µm range

Omni Homogenizing Equipment

- **Omni MES-115**
1800 watt MacroES Homogenizer
- **35mm Stainless Steel Probes**
35x195mm narrow and wide-window generator probes

Application Procedure

1. Add 30 grams of fibrous material and liquid nitrogen to 1 liter container.
2. Using the wide window 35mm generator probe, homogenize at 5,000 - 10,000rpm for 30-90 minutes.
3. Once the first run is complete, attach the narrow window (standard) 35mm probe to the MES homogenizer and homogenize at 5,000 - 10,000rpm for 30-90 minutes.



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