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## Aircraft Deicing Fluids & Anti-icing Fluids Sampling Checklist

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### Before You Sample

- Do you have clean, dry, sample bottles? (see separate Sample Guide for recommended bottle types)
- Did you review the SDS?
- Have you gathered the proper safety equipment?
- Did you use the recommended bottle for your sample and properly label each bottle?
- Use GHS compliant labels. Example labels are provided for PG fluids and EG fluids.

### While You Sample

- Did you adequately flush the line? Flush 5 to 10 gallons before collecting samples.
- Do not collect fluid from the very top layer in the tank. Use a zone sampler.
- When collecting from the storage tank outlet leg, did you collect the fluid at a slow rate to avoid damaging the sample?

### Collecting Type IV Nozzle Samples

- Excessive shear causes permanent loss of viscosity.
- Fluid should be sprayed using close to the same settings, using similar techniques, as when applying to an aircraft
- Do not spray fluid directly into a bottle. Nozzle should be at least 5 - 10 feet away from the sample collection pan.

### After You Sample

- Check the refractive index / Brix for all samples before sending to Dow for complete analysis.

Fluid Parameter	UCAR FLIGHTGUARD AD-49	UCAR ENDURANCE EG106
Brix	35.2 – 36.8	30.5 – 33.5
Refractive Index	1.3905 – 1.3935	1.3820 – 1.3874

- If samples are outside of acceptable range shown above, re-sample and re-check Brix before sending to Dow.
- Is the sample bottle lid sealed with electrical tape to prevent leaks?
- Verify you properly labeled the bottles. (Date, city, airline / company, truck / asset number, and product name)