

# Nanostrip Operating Procedure

## Precautions

- Nanostrip is used to remove organic residues from substrates. Since Nanostrip reacts with organic compounds, do not immerse samples with solvents or other organics.
- Do not use plastic wares for Nanostrip.
- Clean glassware must be used for Nanostrip.
- Samples must be rinsed with DI water and dried before immersion into Nanostrip.
- Always use Nanostrip inside the corrosives fume hood.

## Operation Procedure

1. Wear full PPE (apron, face shields and gloves).
2. Fill DI water in a glass vessel/rinsing bath.
3. Pour Nanostrip into a separate clean, dry glass beaker/vessel.
4. Place the beaker/vessel onto the hot plate and turn on the hot plate.
5. The Nanostrip solution needs to be set at 60°C (the hot plate setting must be greater than 60°C due to the heat exchange between the hot plate and glass vessel/beaker).
6. Place a thermometer in the beaker/vessel and measure the temperature of the Nanostrip solution until it is 60°C (increase the hotplate temperature setting accordingly).
8. When the temperature of Nanostrip solution reaches 60°C, let it remain at 60°C for 10 minutes to stabilize.
9. Place the sample into the beaker.
10. Measure the time (the user should know for how long).
11. When the process is done, place the sample in the DI water bath for rinsing followed by nitrogen dry.
12. Turn off the hot plate.
13. Allow the Nanostrip waste solution to cool down to room temperature. Do NOT pour HOT Nanostrip into the waste bottle.
14. When at room temperature pour Nanostrip into the waste bottle labelled as **‘Nanostrip Waste’**.
15. Wash the glassware and tweezers in the DI water spray at least 3 times and dispose the DI water in the sink.