



---

## Cleaning of DSC Pans

C. Gray Slough, Ph.D.  
TA Instruments, 109 Lukens Drive, New Castle DE 19720, USA

DSC sample pans should always be cleaned prior to use to remove any oils used in their manufacture and to ensure a repeatable surface from one experiment to the next. Here is the procedure provided in ASTM International Standard E 1858 for this cleaning process.

1. Place 200 pans in a 250 mL Erlenmeyer Flask fitted with a glass stopper.
2. Add 150 mL of reagent grade xylene.
3. Swirl for 0.5 to 2 min.
4. Let stand 1 min.
5. Decant xylene.
6. Repeat steps 2 - 5.
7. Add 150 mL of reagent grade acetone to flask.
8. Repeat steps 3 to 5.
9. Repeat steps 7 - 8 with new acetone.
10. Flow dry N<sub>2</sub> over pans at 150-200 mL/min to dry pans.

## **Instruments**

**United States**, 109 Lukens Drive, New Castle, DE 19720 • Phone: 1-302-427-4000 • Fax: 1-302-427-4001  
E-mail: [info@tainstruments.com](mailto:info@tainstruments.com)

**Spain** • Phone: 34-93-600-9300 • Fax: 34-93-325-9896 • E-mail: [spain@tainstruments.com](mailto:spain@tainstruments.com)

**United Kingdom** • Phone: 44-1-372-360363 • Fax: 44-1-372-360135 • E-mail: [uk@tainstruments.com](mailto:uk@tainstruments.com)

**Belgium/Luxembourg** • Phone: 32-2-706-0080 • Fax: 32-2-706-0081  
E-mail: [belgium@tainstruments.com](mailto:belgium@tainstruments.com)

**Netherlands** • Phone: 31-76-508-7270 • Fax: 31-76-508-7280  
E-mail: [netherlands@tainstruments.com](mailto:netherlands@tainstruments.com)

**Germany** • Phone: 49-6023-9647-0 • Fax: 49-6023-96477-7 • E-mail: [germany@tainstruments.com](mailto:germany@tainstruments.com)

**France** • Phone: 33-1-304-89460 • Fax: 33-1-304-89451 • E-mail: [france@tainstruments.com](mailto:france@tainstruments.com)

**Italy** • Phone: 39-02-27421-283 • Fax: 39-02-2501-827 • E-mail: [italia@tainstruments.com](mailto:italia@tainstruments.com)

**Sweden/Norway** • Phone: 46-8-594-69-200 • Fax: 46-8-594-69-209  
E-mail: [sweden@tainstruments.com](mailto:sweden@tainstruments.com)

**Japan** • Phone: 813 5479 8418 • Fax: 813 5479 7488 • E-mail: [nurayama@taij.po-jp.com](mailto:nurayama@taij.po-jp.com)

**Australia** • Phone: 613 9553 0813 • Fax: 61 3 9553 0813 • E-mail: [steve\\_shamis@waters.com](mailto:steve_shamis@waters.com)

**To contact your local TA Instruments representative visit our website at [www.tainst.com](http://www.tainst.com)**