

US EPA 3546-100C

Sample Category: Environmental

Sample Requirements

Sample Weight: 20 g with 75 mL Xpress Vessel
(10 g with 55 mL Xpress Vessel)
Reagents: 12.5 mL acetone, 12.5 mL hexane
Vessels: Xpress, Xpress Plus

Microwave Heating Program

Control Style: Ramp to Temperature

Recommended Equipment



MARS 6

Stage	Temp (°C)	Ramp Time (mm:ss)	Hold Time (mm:ss)	Pressure (psi)	Power (W)	Stirring
1	100	15:00	15:00	800	980-1060	Off

Notes:

1. If using a vessel other than the recommended choice, adjust sample size and pressure limit to values appropriate for the vessel chosen.

General Precautions:

- a) This procedure is a reference point for sample digestion using a CEM system and may need to be modified or changed to obtain the required results on your sample.
- b) The control / reference vessel must contain the largest and most reactive sample.
- c) Manual venting of CEM vessels should be performed when wearing hand/eye/body protection and when the vessel contents are at or below room temperature to avoid the potential for chemical burns. Always point the vent hole away from the operator.
- d) Power level should be adjusted with respect to the number of vessels. Guidelines for framed vessels are: 1-2 Vessels (400W), 3-6 Vessels (800W), 7 or more Vessels (1800W).