BLADE™
Method Note

Microwave Digestion of Acetaminophen Pill

Procedure

Weigh 0.5 g of the sample into the digestion vessel with stir bar. Add 9 mL of HNO_3 and 1 mL of HCl. Gently swirl the mixture and wait approximately 15 minutes before capping the vessel.

Notes

N/A

Recommended Equipment

BLADE

Recommended Vessels

QV

Vent Profile

Organic (QV)

Max Sample Weight

0.5 g

Reagents

HCl
HNO_3

Heating Program

Stage	Temp (°C)	Pressure (psi)	Stirring	Ramp (mm:ss)	Hold (mm:ss)
1	200	700	Medium	5:00	3:00

Results

Sample was clear, colorless, and particle free upon dilution to 50 mL with deionized water.

General Precaution

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 for your sample. Refer to the BLADE Manual for how to perform a digestion.
b) Hydrochloric Acid (HCl) is appropriate for the stabilization of some elements in solution.
c) If using Hydrofluoric Acid (HF), please refer to the HF Addendum in the BLADE Manual.
d) If using a Quartz Vessel Liner (QVL), please refer to the BLADE Manual for operation.
e) Manual venting of CEM vessels should be performed when wearing appropriate PPE and when the vessel contents are at or below room temperature to avoid for potential of chemical burns.
f) Always uncap vessels while vessel opening is pointed away from the operator.

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