

# EPA 3051 (FOR OIL)

MILESTONE APPLICATION NOTE FOR ACID DIGESTION  
MAXI14-OFFICIALS-002



## SUMMARY

This method represents a guideline for the microwave acid digestion of samples with the Milestone ETHOS LEAN system. This procedure may need to be optimized to match your specific analytical goals.

## INSTRUMENTATION

Milestone ETHOS LEAN microwave unit,  
MAXI-14 rotor, T2 infrared temperature  
control. Option P2 pressure control.



## SAMPLE WEIGHT AND REAGENTS

Sample weight	Up to 250 mg
Reagents	10 mL HNO <sub>3</sub>

## GENERAL PRECAUTIONS

Always use hand, eye and body  
protection when operating with the  
microwave system.

## MICROWAVE PROGRAM

Step	Time	T2	Power
1	00:10:00**	150°C	850 W*
2	00:10:00	180°C	850 W*
3	00:10:00	180°C	850 W*

\*\*time optimized for 14 vessels

Subject to change without notice.  
For additional information  
please visit [www.milestonesrl.com](http://www.milestonesrl.com)  
or contact [application@milestonesrl.com](mailto:application@milestonesrl.com)

