



APPLICATION BULLETIN #2

AGGREGATE SAMPLES (breaking down asphalt)

Laboratory analysis of aggregate samples requires complete separation of the random sample content. Ultrasonic stimulation will provide complete separation of the mixture quickly and cleanly.

1. Fill the main tank 2/3 full with General Purpose Cleaner Non-Ammoniated (PC228) diluted per label instructions. This will be used as a carrier bath.
2. Place Auxiliary Pan containing Ultrasonic Instrument Rinsing Solution (PC197) in the main tank (double boiler fashion).
3. Place asphalt sample (3x3x2) in Stainless Steel Basket in the Auxiliary Pan.
4. Cavitate 8 to 15 minutes.
5. Sand and gravel particles on the bottom of the Auxiliary Pan should be stirred occasionally to insure maximum cavitation.
6. Pour off dirty solution from Auxiliary Pan.
7. Using a series of fine sifters, mixture can be graded and tested.

Note: Do not place aggregate directly into the main tank, loose material on tank bottom tends to overheat the unit.

EQUIPMENT NEEDED:

Machines, Accessories*: Q210 or S200 Ultrasonic Cleaning System with Timer, Auxiliary Pan and Basket.

Solutions: Ultrasonic Instrument Rinsing Solution (PC197)
General Purpose Cleaner Non-Ammoniated (PC228)

*Recommended Ultrasonic Cleaning System varies as to internal tank dimensions and volume of required cleaning.



because clean matters

L&R Manufacturing Company
577 Elm Street, PO Box 607
Kearny, NJ 07032-0607 USA
Tel: 201.991.5330 Fax: 201.991.5870
www.LRultrasonics.com info@LRultrasonics.com