

INDUSTRY: SURFACTANTS – FABRIC SOFTENER

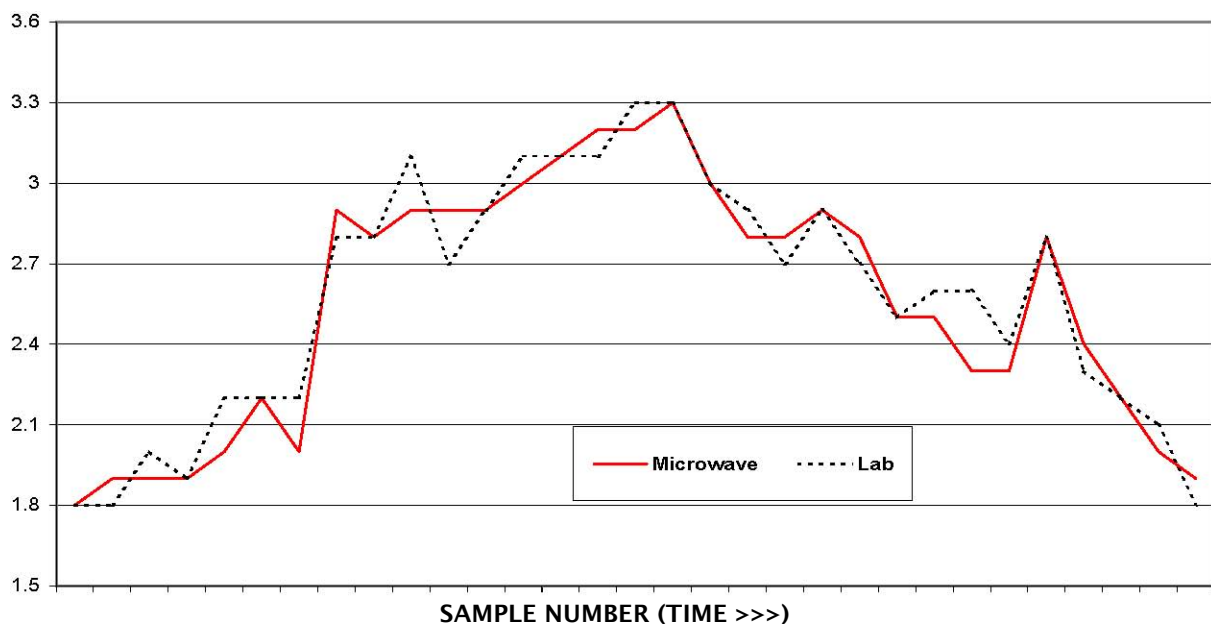
APPLICATION: TO MEASURE THE % TOTAL SOLIDS (ACTIVITY) OF A MIXTURE OF FABRIC SOFTENER AND WATER IN A RINSING VESSEL.

INSTALLATION: HK2-M

TESTING: SAMPLES WERE COLLECTED FROM A SAMPLE PORT IN THE RECIRCULATION LINE, AND ANALYZED WITH A HAND HELD REFRACTOMETER.

RESULTS: CORRELATION BETWEEN THE HAND HELD REFRACTOMETER AND THE HK-2 M IS GOOD. HAND HELD REFRACTOMETERS MUST BE USED CAREFULLY DUE TO HIGH OPERATOR VARIABILITY.

LAB OVEN vs MICROWAVE FOR FABRIC SOFTENER



CONCLUSIONS: THE HK-2 MICROWAVE INSTRUMENT SYSTEM IS AN EXCELLENT TOOL THAT CAN BE USED TO MONITOR AND CONTROL THE % TOTAL SOLIDS OF A FABRIC SOFTENER AND WATER MIXTURE. ADDITIONAL APPLICATIONS:

CONTROL THE % TOTAL SOLIDS OF A FABRIC SOFTENER DURING PRODUCTION.