

HK INSTRUMENT SYSTEMS

Pittsburgh, PA

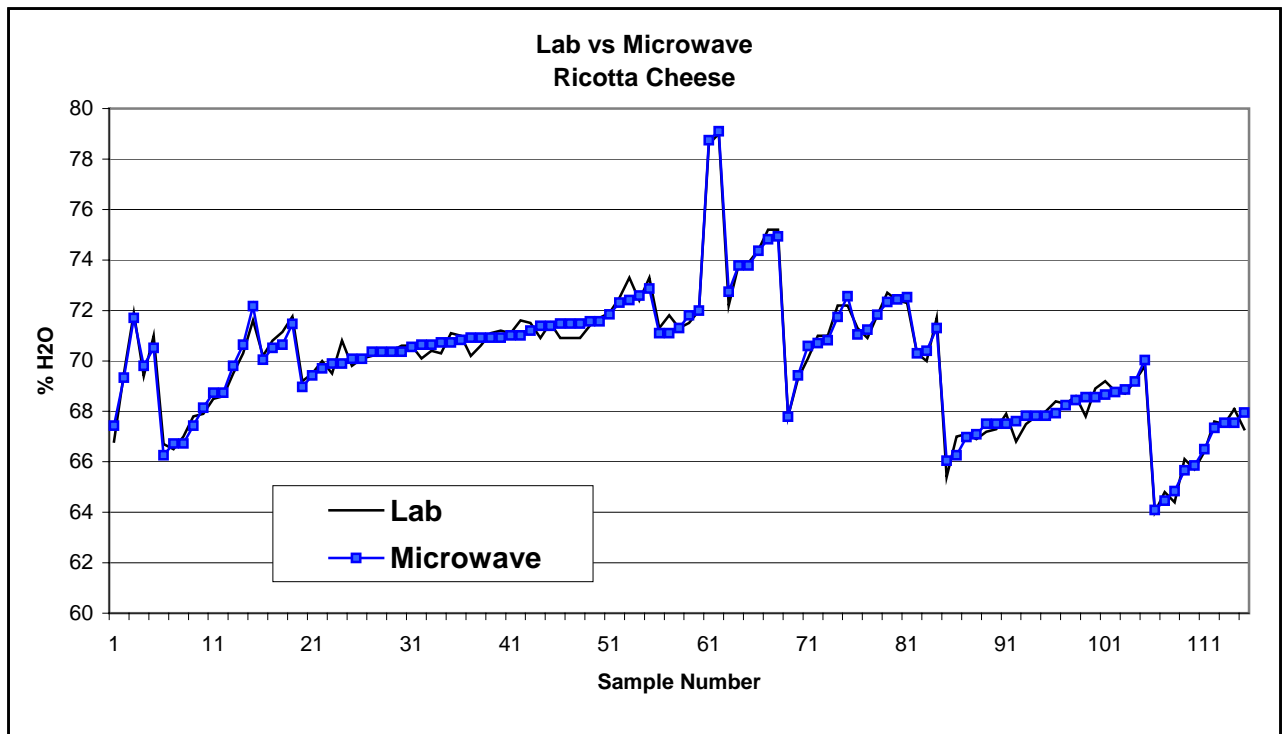
RICOTTA CHEESE

APPLICATION: TO MEASURE THE % H₂O OF A RICOTTA CHEESE PRODUCT DURING PRODUCTION. THE HK-1 CAN MEASURE NO FAT, LOW FAT, REGULAR FAT, AND HIGH FAT PRODUCTS.

INSTALLATION: THE MICROWAVE SENSORS ARE ALWAYS INSTALLED WITH A **PROPRITARY 3A SANITARY SPOOL PIECE** WHICH WILL BE MOUNTED VERTICALLY. TEMPERATURE COMPENSATION WILL ALWAYS BE INSTALLED.

TESTING: SAMPLES WERE COLLECTED AND DRIED IN A LAB OVEN TO DETERMINE % H₂O BY LOSS OF WEIGHT. READINGS OF THE HK-1 MICROWAVE INSTRUMENT SYSTEM WERE RECORDED EACH TIME A SAMPLE WAS COLLECTED.

RESULTS: CORRELATION BETWEEN LAB SAMPLES AND MICROWAVE READINGS IS EXCELLENT FOR THE ENTIRE MEASUREMENT RANGE.



SAMPLE NUMBER

CONCLUSIONS: THE HK-1 MICROWAVE INSTRUMENT SYSTEM IS AN EXCELLENT TOOL THAT CAN BE USED TO MONITOR AND CONTROL THE % H₂O OF ANY TYPE OF RICOTTA CHEESE PRODUCT.