

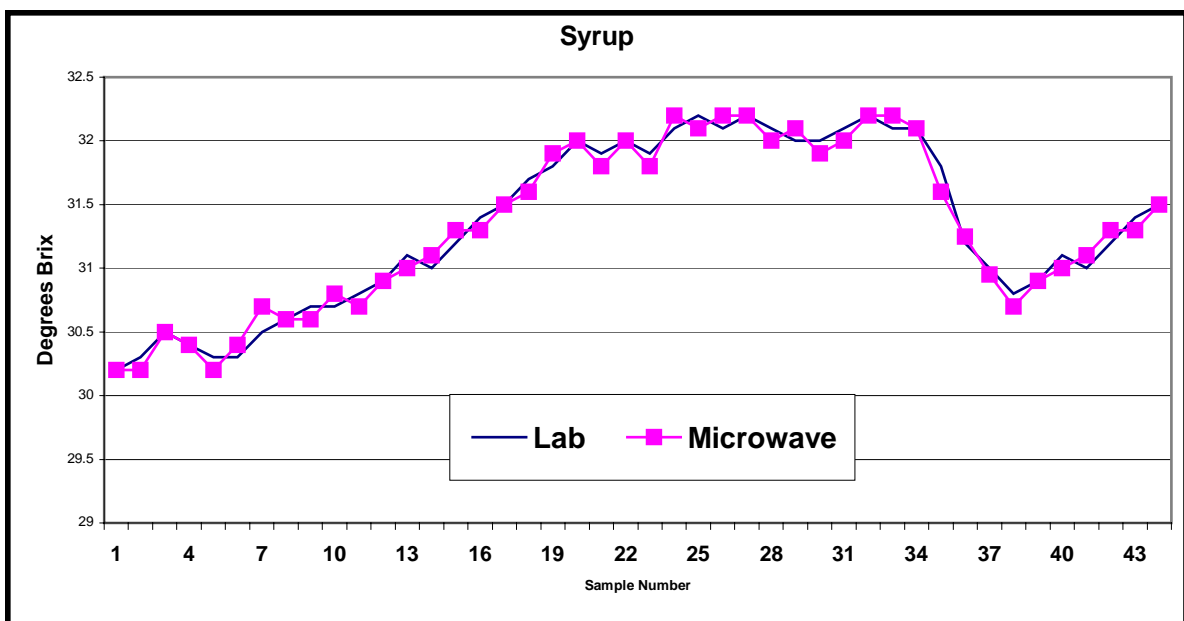
## INDUSTRY: SOFT DRINKS (SYRUP)

**APPLICATION:** TO MONITOR AND CONTROL THE °BRIX OF A THICK SYRUP USED DURING THE MANUFACTURING PROCESS OF SODA.

**INSTALLATION:** THE HK-1 MICROWAVE UNIT IS INSTALLED ON A VERTICAL PIPELINE. THE MICROWAVE TRANSMITTER AND SENSOR PINS ARE INSTALLED IN A SPOOL PIECE AND INSTALLED IN LINE.

**TESTING:** LAB - SAMPLES ARE COLLECTED FROM THE PIPE OR VESSEL AND ANALYZED IN THE LAB WITH A TEMPERATURE COMPENSATED REFRACTOMETER.

**RESULTS:** LAB - CORRELATION BETWEEN LAB SAMPLES AND MICROWAVE READINGS IS EXCELLENT.



**CONCLUSIONS:** THE HK-1 MICROWAVE INSTRUMENT SYSTEM IS AN EXCELLENT TOOL THAT CAN BE USED TO MONITOR AND CONTROL THE °BRIX OF ANY SOFT DRINK, JUICE, OR SYRUP. IT CAN EVEN BE USED TO IDENTIFY THE AMOUNT OF PULP IN A JUICE WHEN COMBINED WITH A REFRACTOMETER. THE SYSTEMS CAN BE USED IN:

- PIPELINES AND VESSELS
- BATCH OR CONTINUOUS SYSTEMS
- ANY BRIX LEVEL FROM 0-90%