

Abstracts

Microstrip ring resonator as a moisture sensor for wheat grains

K.K. Joshi, M. Abegaonkar, R.N. Karekar and R.C. Aiyer. "Microstrip ring resonator as a moisture sensor for wheat grains." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1679-1682.

Microwave resonant frequency and quality factor of a ring resonator are measured with a single wheat grain as an overlay on the ring and are found to vary with the moisture content independent of the weight of the kernel.

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