

## PRESS RELEASE

### New Application Note on the Determination of Trace Elements in Copper using an ICP

Hudson, NH - Teledyne Leeman Labs, a leading manufacturer of analytical instrumentation for elemental analysis, announces the publication of a new application note on the **Determination of Trace Elements in Copper using a Radial Viewed Prodigy ICP Spectrometer**.

World-wide copper consumption is in the vicinity of 18 million tons per year. The largest consumer of copper is the building industry; followed by the electronics industry. The most common grade of copper used is the standard water pipe grade.

The presence of trace impurities in copper and its alloys can adversely affect the properties of finished products. The presence of iron, lead and tin in electrolytic copper will increase electrical resistance. Corrosion characteristics of Cu alloys can be affected by the presence of metals above or below performance specifications. As a result, the concentration of impurities must be kept under control in order to insure the quality of the metal.

This application note demonstrates the ability of the Prodigy High Dispersion ICP to determine trace impurities in Cu reference materials.

To receive a copy of **Application Note 1044**, contact Teledyne Leeman Labs, 6 Wentworth Drive, Hudson, NH 03051. Telephone (603) 886-8400, Fax: (603) 886-9141 or email: [LeemanLabsinfo@Teledyne.com](mailto:LeemanLabsinfo@Teledyne.com) or visit our website at [www.LeemanLabs.com](http://www.LeemanLabs.com).