BioLAB

PRODUCT CATALOG

INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETER BICP-704

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INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETER

BICP-704

INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETER

Inductively coupled plasma mass spectrometer(ICP-MS for short),It is a new analytical technology for trace, trace and ultra trace elements developed in the 1980s. ICP-MS can determine most elements in the periodic table of elements, and has the performance advantages of extremely low detection limit, extremely wide dynamic linear range, simple
spectral lines, less interference, high precision, fast analysis speed, etc.

SPECIFICATIONS

Model	BICP-704
Range of quality and quantity	2-260 amu
Measuring range	≥10^{10}
Sensitivity	Li≥50; In≥180; U≥200 (Mcps/ppm)
Detection limit	Li≤2; In≤0.1; U≤0.1 (ppt)
Resolving power	0.2-2.0 amu
Signal-to-noise ratio	≥50 x 10^{6}
Background noise	≤2 cps (Full quality range)
Mass axis stability	≤0.05 amu/24 h
Stability RSD	Short-term ≤2%; long-term ≤3%
Oxide ion	CeO+/Ce+ ≤ 2.5%
Bivalent ion	69Ba2+/138Ba+ ≤ 3%
Isotope ratio	(^{107}Ag/^{109}Ag) ≤0.2%
Abundance sensitivity	≤1 x 10^{-6} Low quality end; ≤5 x 10^{-7} High quality end
Alt Name	Inductively Coupled Plasma Emission Spectrometer

APPLICATIONS

Water quality, Agriculture, Geological Rare Earths, Food commodity inspection, Metallurgy
Creature,Marine, Environment, Medicine and Health Petroleum, Nuclear industry, Magnetic materials, New chemical materials.

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