Inductively Coupled Plasma-Optical Emission spectroscopy



Make: Agilent Technologies

Model : 700 series

Applications:

This technique is used for quantitative and qualitative determination of the metals and metalloids in the following sample.

1. Biological
2. Environmental
3. Pharmaceutical
4. Industrial
5. Aqueous and Organic

Specifications:

Plasma Generator

- RF Generator: Solid-state generator with quick (<1 hour) warm-up
- Frequency: 27.12 MHz or higher
- Power: Up to 1500 watts
- Controls: Fully computer-controlled and software-driven
- Argon: Argon flow rates monitored
- Plasma Detection: Plasma should be radially viewed / or axially viewed/ or dually viewed (through protective screens)
- Wavelength range: 170 to 770 mm wider
- Focal length: more than 0.5 meters for holographic grating/More than 0.32 meter for Echelle grating
- Optical Resolution:
- Better than 10 pm in the UV range (below 300 nm)
- Better than 17 pm in the visible range (above 350nm)

Tariff	Tariff for NITW Students	External Academic (18 % GST Extra)	Industry (18 % GST Extra)
	Per Sample	Per Sample	Per Sample
Single Element	₹ 150	₹ 400	₹ 1200
Multiple Element	₹ 200	₹ 500	₹ 2000
Emission Spectrum	₹ 200	₹ 500	₹ 2000