

PYROLYSIS-GAS CHROMATOGRAPHY

I. Instrument Name: JHP-22 Curie Point Pyrolyzer with Hewlett Packard 5890 Series II Gas Chromatograph

II. Suggested Uses:

Pyrolysis-GC is a useful technique for comparing polymers and other organics when the samples are run under the same conditions.

III. Operating Procedures

- A. Start-up procedures (see attached)
- B. Collection and storage of data (see attached)
- C. Shut-down procedures (see attached)

IV. Safety concerns

- A. Safety glasses will be worn when flame cleaning the sample tubes and all other safety precautions are to be followed for using an open flame in the laboratory.
- B. The transfer tube that connects the pyrolyzer to the GC is hot and should be avoided.

V. Other information

The pyrolyzer may be left on overnight if it is to be used the next day. If the pyrolyzer is turned off, allow at least a 30-minute warm-up before using.