Some jobs call for the Perfect Stability

GPC/SEC is one of them.

GPC-IR® is the only HT-SEC system with an IR5 MCT detector so sensitive, it delivers the most Stable Baseline for Polyolefin analysis.

The highest sensitivity allows reducing the amount of sample injected into the column while still maintaining excellent baseline and signal-to-noise ratio.

Unparalleled baseline stability in a short time without being affected by temperature changes in the environment.

Unique and comprehensive analysis through continuous and simultaneous measurement of chemical composition along MMD.

Full automation of sample preparation including filling the vials with solvent and in-line filtration with backflush rinsing.

Minimized sample degradation thanks to exact timing applied to each vial for dissolution, gentle shaking, and a purge of nitrogen into vials.

Extended lifespan of columns by locating them in a separate oven where they can always remain at the same temperature.
**Analysis Conditions**

GPC-IR® analysis of duplicate injections:
- 3 columns HT linear range calibration
- T = 150 ºC
- F = 1 ml/min
- Solvent = TCB
- Injection volume = 200 uL

IR5 MCT integrated detector:
- Concentration and Composition

Triple detector:
- IR concentration 1 mg/mL
- 4 capillary viscometer
- LS Wyatt 8 angles

Flow marker:
- Heptane