

Young Lin Residual Solvent Analyzer

Why Residual Solvent Analyzer?

Organic residual solvents used in the manufacture of pharmaceuticals and found in inks used for the printing of packaging materials for food and drug products are known to be hazardous to human health if ingested. USP restricts the concentration of toxic solvent contained in medicine. The residual solvent on food packing materials used to be controled by self-regulation, now the standard regulation is in accordance with the Food Sanitation Act as follows.



The revised regulation for residual solvent of food packing material
(8 March, 2004. Food Sanitation Act.)

Residual Solvent < 6 mg/m² **Toluene < 2 mg/m²**

"Young Lin RSA System" gives you more effective and convenient experimental data by Headspace measurement without special treatment for extraction.





Ensure convenience in your laboratory. We're here for your analysis of residual solvents on packing material for food or ingredients for drugs. This system is organized for your convenient analysis of residual materials only.

Young Lin Residual Solvent Analyzer

Features

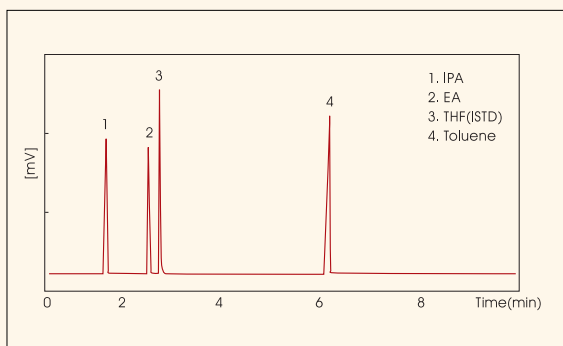
- Easy sample preparation with Headspace Autosampler
- No need for extra heater(Oven installed inside)
- This system delivers reproducible data minimizing analysis error in use with ISTD (Internal Standard measuring)
- Monitoring various residual materials at one time
- One Young Lin Residual Solvent Analyzer includes all accessories and preparation system you need for analysis of residual material analysis

Analysis of residuals on the food packing material

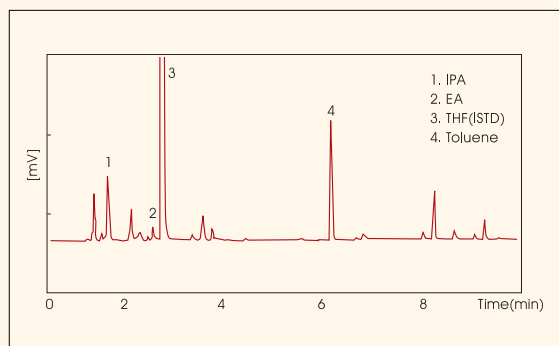
[Analysis condition]

- Oven : 35.0 °C(5 min) → 10.0 °C/min → 150.0 °C(1 min)
- Injection port 1 : Capillary; 230 °C, He flow rate=3.0 mL, Split ratio=10.0; constant flow
- Column 1 : AN-1(30 m X 0.32 mm X 0.5 um)
- Detector 1 : FID, 250 °C

[Standard sample Chromatogram]



[Sample Chromatogram]



Applications

- Analysis of residuals on the food packing material
- Analysis of residuals on the drugs
- Analysis of residual materials on the extracted pigments from food

