

MCPA Herbicide

Instrument: [TSP HPLC System](#)

For quality control of commercial formulations containing MCPA, a simple but effective method for analysis of the active principle is described. HPLC is ideal for this task, since MCPA preparations may be assayed rapidly under isocratic conditions with UV detection, as shown in Figure 1.

Conditions

Column: Spherisorb S5 ODS2,
50 mm x 4.6 mm ID
Mobile Phase: 0.1% Aqueous phosphoric
acid: methanol (40:60)
Flow Rate: 1 ml/min
Detection: UV at 280 nm

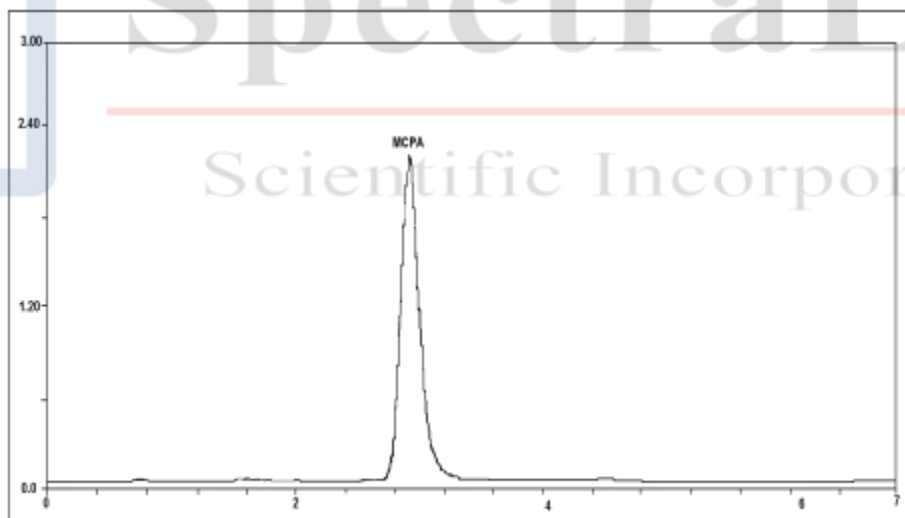


Figure 1 Three minute separation of a standard solution of MCPA

References:

The Pharmaceutical Codex' (11th Edition, 1979),pp. 668-9.
http://www.gbcsscientific.com/appnotes/HPLC_app_note_002.pdf