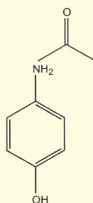
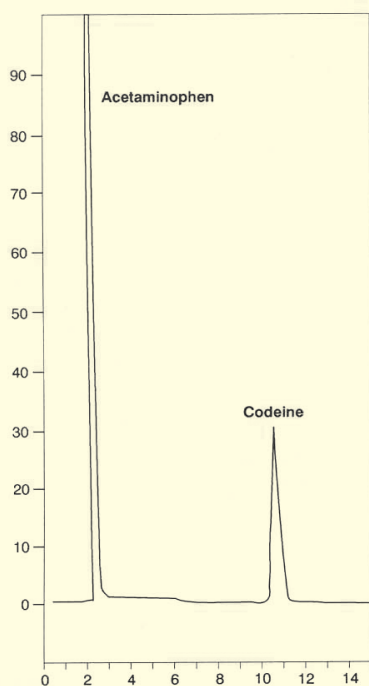
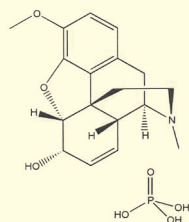


Acetaminophen



Codeine Phosphate



April/01 #LC-010

HPLC Application Sheet

USP XXIII

Acetaminophen & Codeine Phosphate Tablets

Method Conditions

Column: Cogent™ MS MicroBee-C18

Catalog No.: 59300-01

Dimensions: 300mm x 3.9 cm

Packing Material

Description: 10µm Irregular C18, 125 Å pore size

Mobile Phase: 4.4g docusate sodium in 1L of 600:360:40:1 MeOH, Water, THF and Phosphoric Acid

Flow Rate: 1.5ml/minute

Sample: 0.85 g of Acetaminophen/Codeine tablet (#3) in 250ml of mobile phase

Injection Volume: 15mL

Detection: UV 280nm

Discussion of Chromatogram

This “real life” chromatogram is from an official USP method for the quantification of Codeine Phosphate in tablet form. Using a commercially available tablet #3 from Teva Pharmaceutical Company, and by following the official method, the above excellent resolution and peak shape is achieved. Note that the sensitivity of the detector is very high and the large Acetaminophen peak indicates that the proportions are real life and actual.