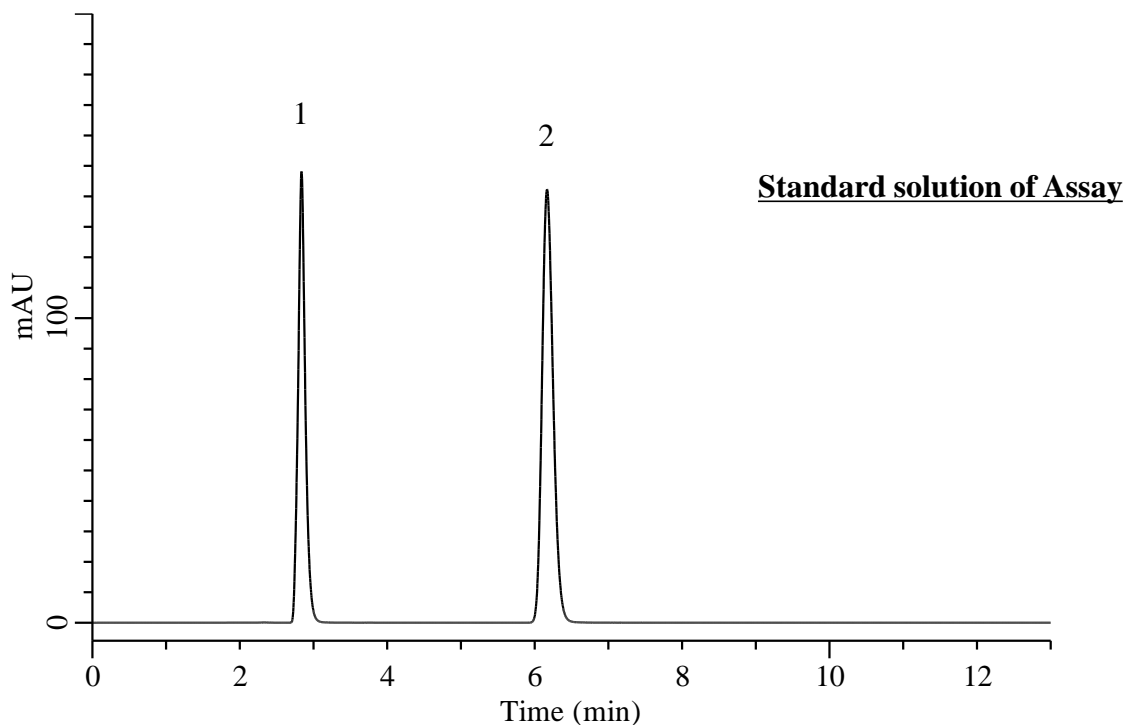


Analysis of Paracetamol and Mefenamic acid

(Under the Condition of the draft for the Indian Pharmacopoeia, Paracetamol and Mefenamic Acid Suspension)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : A) CH₃CN
 B) CH₃OH
 C) Buffer*
 A/B/C = 40/10/50, v/v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 25 °C
Detection : UV 285 nm
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Paracetamol	0.125 mg/mL
2. Mefenamic acid	0.05 mg/mL
Tailing factor	
peak area of 1	: 1.16 (\leq 2.0)
peak area of 2	: 1.20 (\leq 2.0)
RSD of the	
peak area of 1 (%) (n=6)	: 0.27 (\leq 2.0)
peak area of 2 (%) (n=6)	: 0.32 (\leq 2.0)

* Dissolve 8.37g of potassium dihydrogen orthophosphate and 6.71g of dipotassium hydrogen orthophosphate in 1000 ml of water, adjusted to pH 6.5 with dilute orthophosphoric acid.