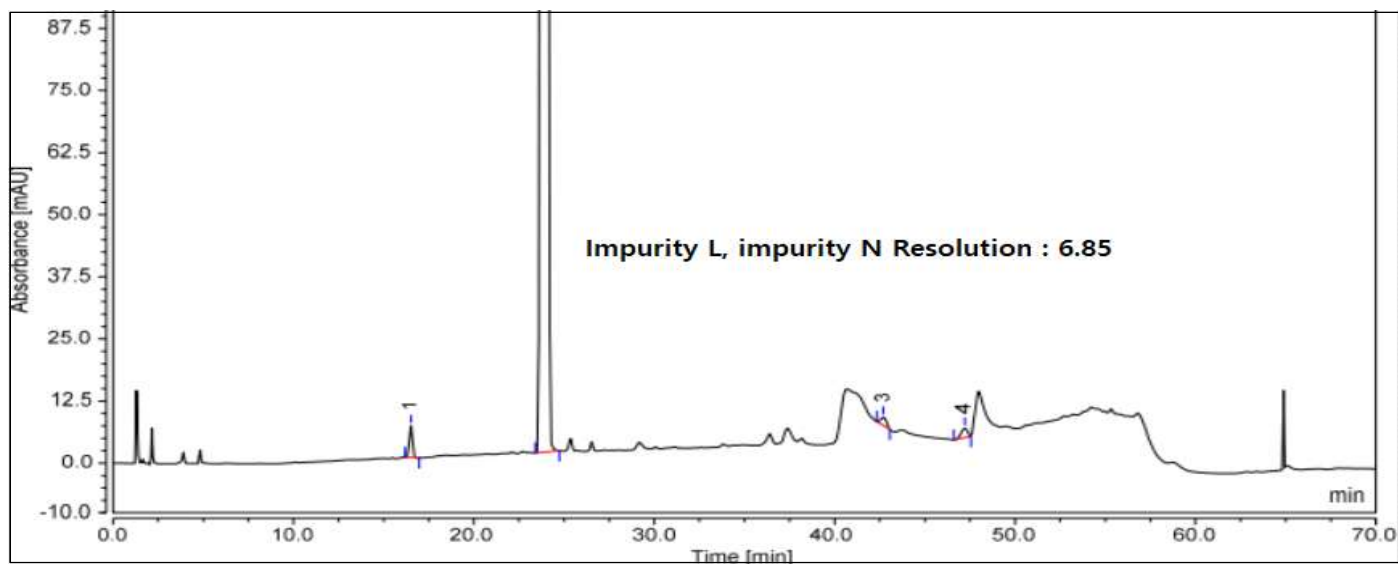


# HPLC DATA SHEET

Buspirone HCl Tablets(USP, Related substances)



1. Impurity K 2. Buspirone 3. Impurity L 4. Impurity N

## HPLC condition

Column

INNO Column C18-HC (5 $\mu$ m, 4.6mm I.d.  $\times$  150mm)

Mobile phase A : Acetonitrile : Solution A (5 : 95)

Mobile phase B : Acetonitrile : Solution B (75 : 25)

\*Solution A : Dissolve 6.8g of Potassium dihydrogen phosphate and 0.93 g of 1-Hexanesulfonic acid sodium salt in water to make 1000 mL. (adjust the pH to 3.4 with phosphoric acid)

\*Solution B : Dissolve 3.4g of Potassium dihydrogen phosphate and 3.52 g of 1-Hexanesulfonic acid sodium salt in water to make 1000 mL. (adjust the pH to 2.2 with phosphoric acid)

Mobile Phase

<Gradient System>

min	A(%)	B(%)
0	90	10
6	90	10
34	42	58
45	42	58
55	0	100
56	100	0
60	100	0
61	90	10

Flow rate

1.0mL/min

Temperature

40°C

Injection Vol.

20 $\mu$ L

Detector

UV (210nm)