

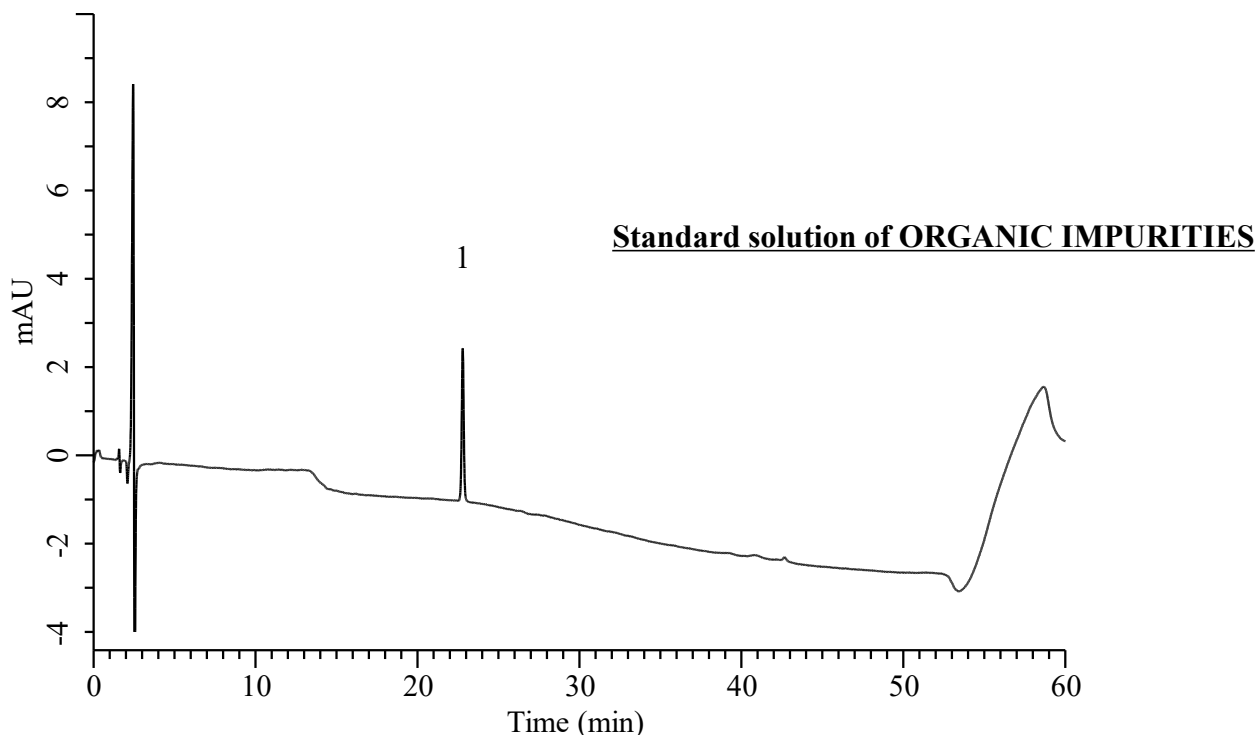
# InertSearch for LC

Inertsil Applications

## Analysis of Voriconazole

(Under the Condition of the draft for USP, Voriconazole for Injection)

Data No. LB885-7111



### Conditions

**System** : Chromaster HPLC system (HITACHI)  
**Column** : InertSustain C18 (GL Sciences Inc.)  
(3.5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-89996  
**Eluent** : A) CH<sub>3</sub>CN  
B) Solution \*

### Analyte:

1. Voriconazole 0.08 mg/mL

RSD of the peak area (n=6) : 0.44 ( $\leq$  1.0)

Signal-to-noise ratio : 57.7 ( $\geq$  10)

Time (min)	A (vol %)	B (vol %)
0.0	25.0	75.0
10.0	25.0	75.0
30.0	60.0	40.0
40.0	70.0	30.0
50.0	70.0	30.0
55.0	25.0	75.0
60.0	25.0	75.0

**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 256 nm (5430 DAD)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

\* Dissolve 0.63 g of ammonium formate in 1000 mL of water. Adjust with formic acid to a pH of 4.0.