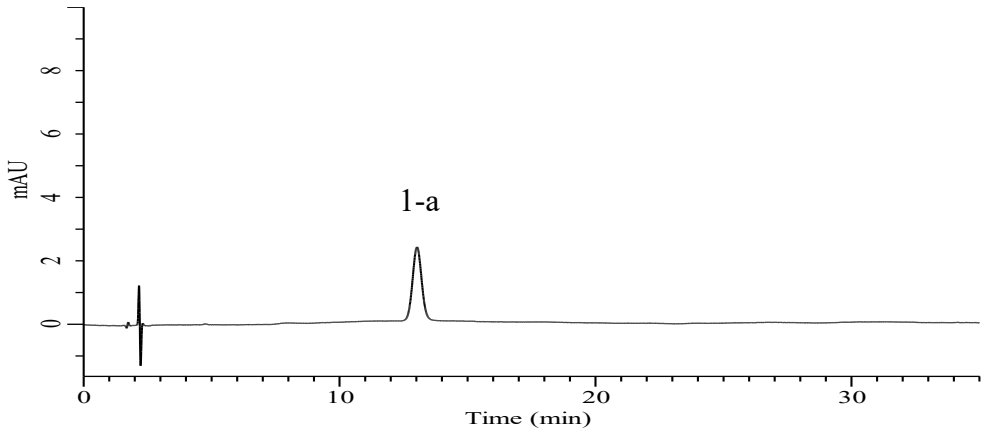
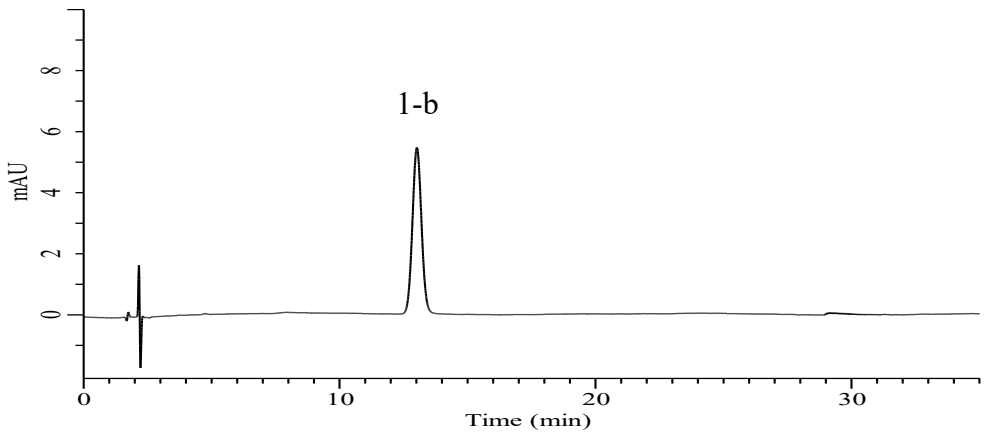
Analysis of Edaravone

(Under the Condition of draft for USP PF52(5), Edaravone Injection, ORGANIC IMPURITIES, PROCEDURE 2)



Sensitiivity solution



Standard solution

Conditions

System	:	Primaide (HITACHI)
Column	:	InertSustain C18 (GL Sciences Inc.) (5 µm, 150 x 4.6 mm I.D.)
Column Cat. No.	:	5020-07345
Eluent	:	CH_3OH/Solution*=25/75, v/v (pH5.5, NH_4OH)
Flow Rate	:	1.0 mL/min
Col. Temp.	:	40 °C
Detection	:	UV 240 nm (Primaide 1435 DAD)
Injection Vol.	:	50 µL
Sample	:	Standard in Eluent

Analyte:

1-a. Edaravone	0.3 µg/mL
1-b. Edaravone	0.6 µg/mL

Signal-to-noise ratio (1-a) : 27.0 (≧ 10)

RSD of
the peak area (%)(n=6)(1-b) : 0.61 (≦ 5.0)

*: 10 mL/L of acetic acid, diluted in water