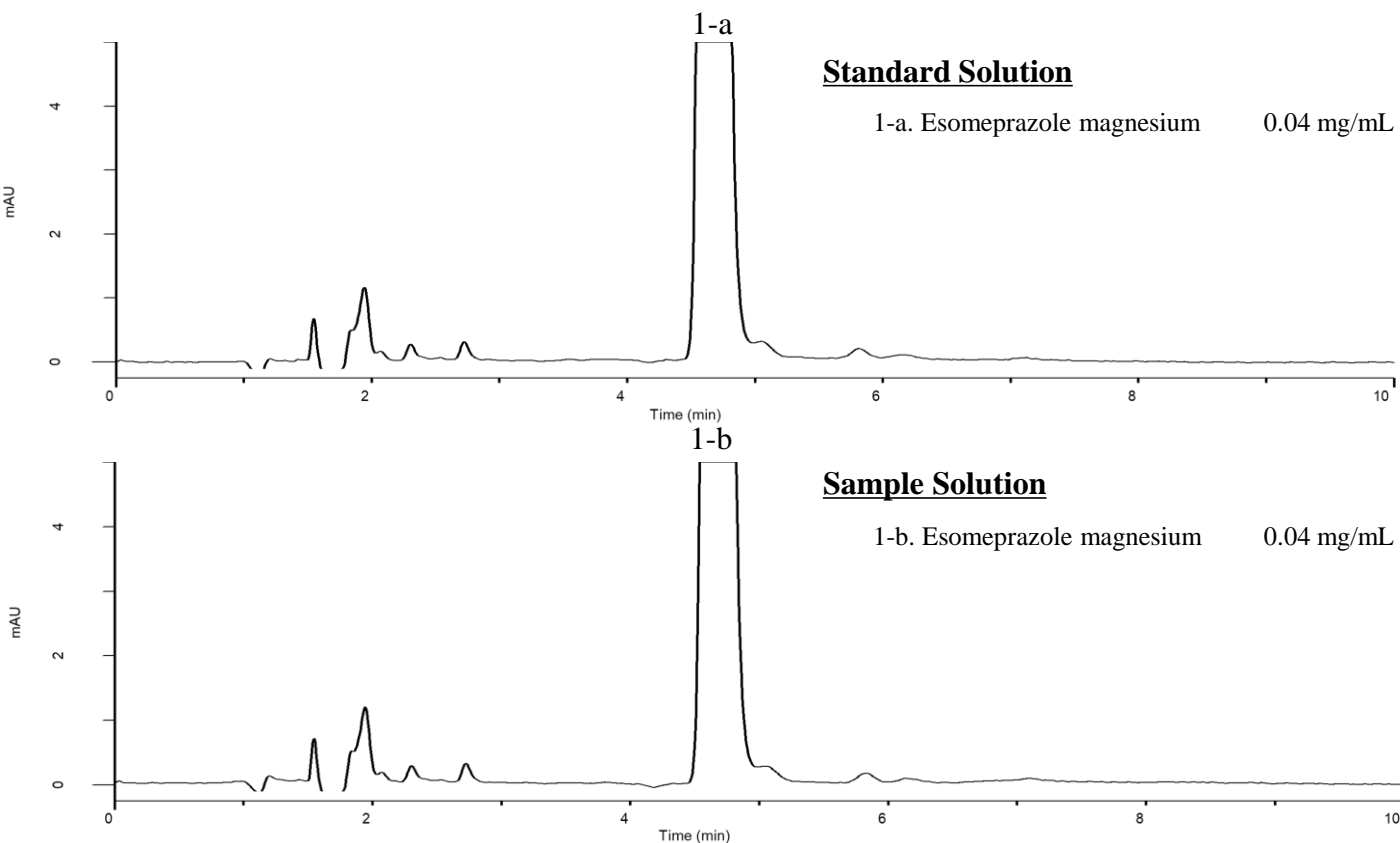


## Analysis of Esomeprazole magnesium

(Under the Condition of USP 38-NF33,

esomeprazole magnesium Extended-release Tablets)



### Conditions

**Column** : InertSustain C18  
(5  $\mu$  m, 150 x 4.6 mm I.D.)

**Column Cat. No.** : 5020-07345

**Eluent** : A) CH<sub>3</sub>CN  
B) Buffer\*  
C) H<sub>2</sub>O  
A/B/C = \* \*

**Flow Rate** : 1.0 mL/min

**Detection** : UV 302 nm

**Injection Vol.** : 20  $\mu$  L

**Sample** : Esomeprazole magnesium Delayed release capsules

\*Prepare a pH 7.3 phosphate buffer by mixing 10.5 mL of 1.0 M monobasic sodium phosphate buffer and 60 mL of 0.5 M dibasic sodium phosphate buffer, and diluting with water to 1000 mL.

\*\*Mix 350 mL of acetonitrile and 500 mL of the Buffer.

Dilute with water to 1000 mL.

### Analyte:

1. Esomeprazole magnesium

RSD of the  
1-a area (%) (n = 6) : 0.04 ( $\leq$  2.0)