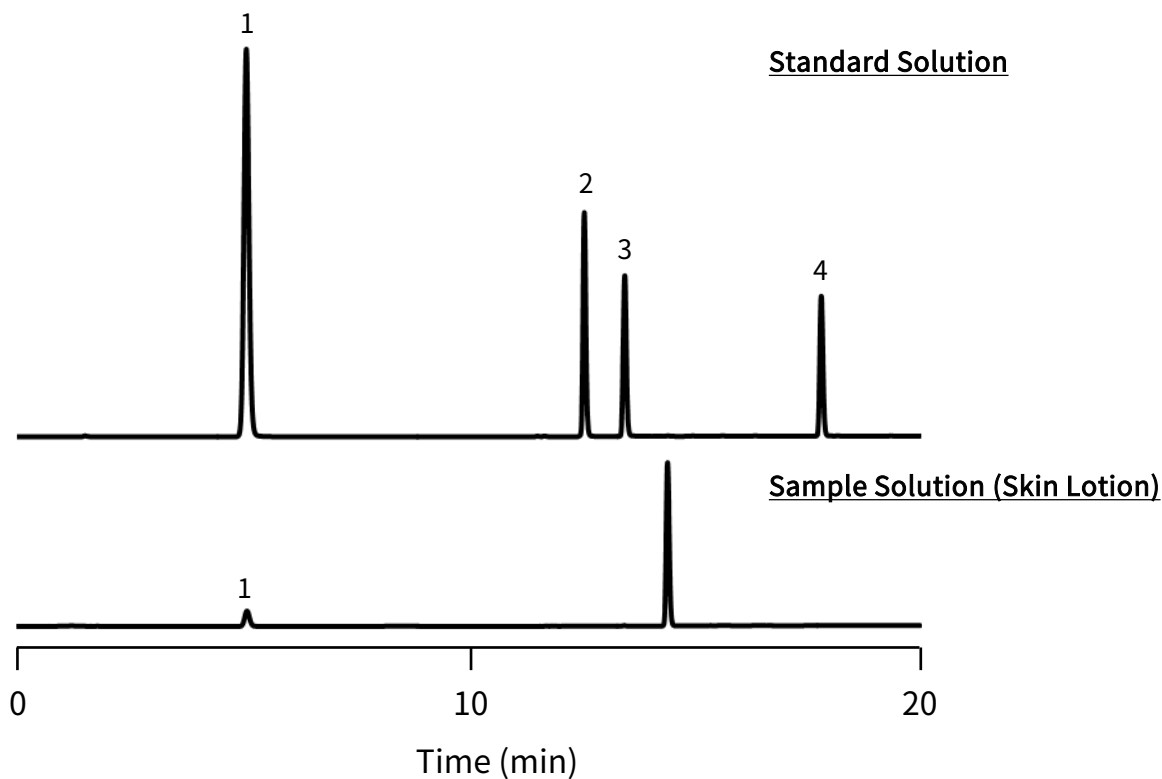


## Analysis of Isothiazolinone preservatives

Data No. LL027-0000

*The chromatogram was provided by Prof. Shuji Kodama,  
Department of Chemistry, School of Science, Tokai University,  
4-1-1 Kitakaname, Hiratsuka, Kanagawa 259-1292, Japan*



### Conditions

**Column** : InertSustain AQ-C18  
(5  $\mu$ m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-89730  
**Eluent** : A) CH<sub>3</sub>CN  
B) CH<sub>3</sub>OH  
C) H<sub>2</sub>O

### Analyte:

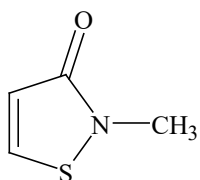
1. Methylisothiazolinone  
2. Chloromethylisothiazolinone  
3. Benzisothiazolinone  
4. Octylisothiazolinone  
(100 mg/L each)

Time (min)	A (vol%)	B (vol%)	C (vol%)
0.00	4	0	96
5.00	4	0	96
15.0	80	20	0
20.0	80	20	0

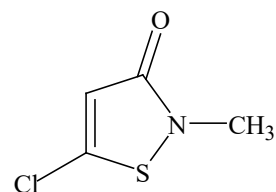
**Flow rate** : 1.0 mL/min  
**Col. Temp.** : 35 °C  
**Detection** : UV 260 nm  
**Injection Vol.** : 10  $\mu$ L

## Analysis of Isothiazolinones

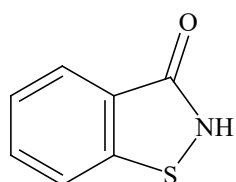
Data No. LB027-0000



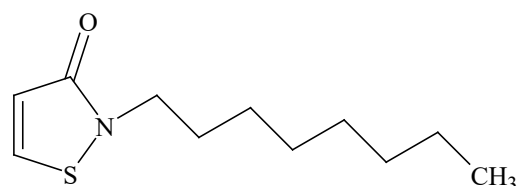
1. Methylisothiazolinone



2. Chloromethylisothiazolinone



3. Benzisothiazolinone



4. Octylisothiazolinone

Structures are created using Chemistry 4-D Draw which is provided by ChemInnovation Software, Inc.