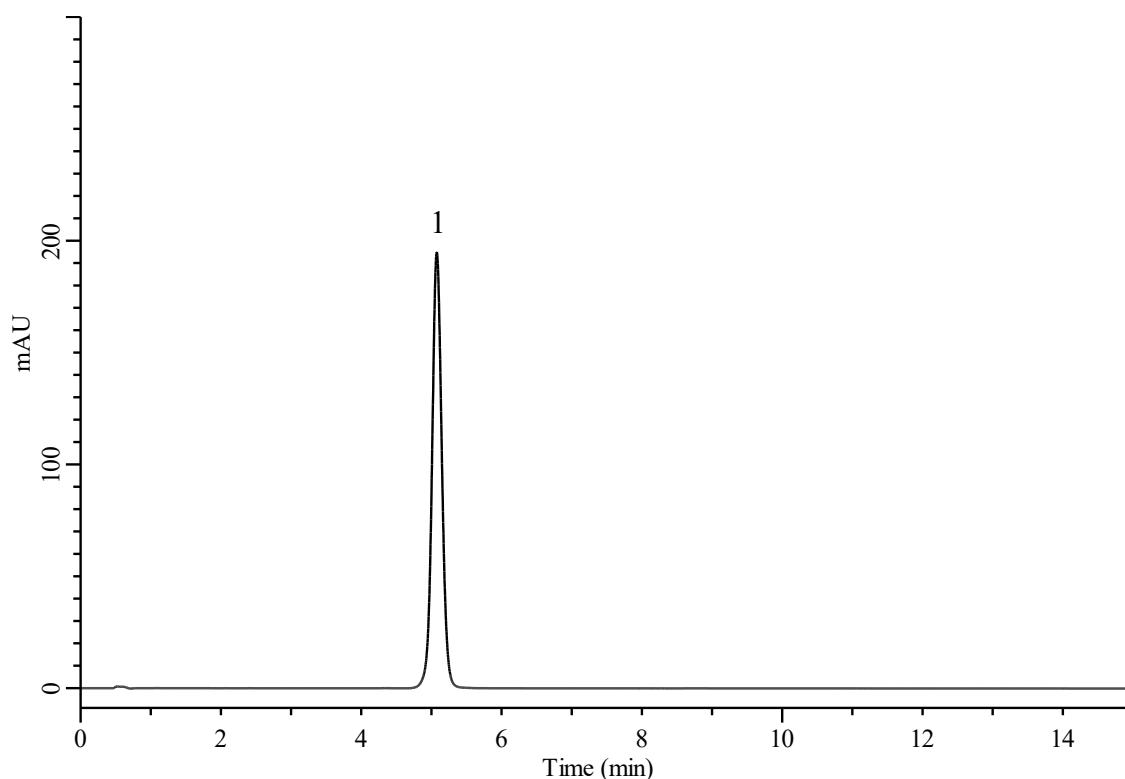


## Analysis of Diazoxide

**(Under the Condition of USPNF 2022 Issue 3, Diazoxide, ASSAY)**



### Conditions

|                        |                                                                       |                              |                 |
|------------------------|-----------------------------------------------------------------------|------------------------------|-----------------|
| <b>System</b>          | : Primaide (HITACHI)                                                  | <b>Analyte:</b>              |                 |
| <b>Column</b>          | : InertCore Biphenyl (GL Sciences Inc.)<br>(2.6 μm, 50 x 4.6 mm I.D.) | 1. Diazoxide                 | 0.05 mg/mL      |
| <b>Column Cat. No.</b> | : 5020-17550                                                          |                              |                 |
| <b>Eluent</b>          | : CH <sub>3</sub> CN/CH <sub>3</sub> OH/Buffer* = 10/10/80, v/v/v     | Tailing factor               | : 1.03 (≤2.0)   |
| <b>Flow Rate</b>       | : 1.0 mL/min                                                          |                              |                 |
| <b>Col. Temp.</b>      | : 30 °C                                                               | RSD of                       |                 |
| <b>Detection</b>       | : UV 254 nm (Primaide 1410 UV)                                        | the peak area of 1 (%) (n=6) | : 0.30 (≤ 0.73) |
| <b>Injection Vol.</b>  | : 20 μL                                                               |                              |                 |
| <b>Sample</b>          | : Standard in CH <sub>3</sub> OH/Buffer* = 50/50, v/v                 |                              |                 |

\* Dissolve 1.56 g of sodium phosphate, monobasic in 1000 mL of water. Adjust with phosphoric acid to a pH of 2.5.