

# SEDEX Low Temperature Evaporative Light Scattering Detector

## SAMPLE : CAFFEINE AND ACETYLSALICYLIC ACID % RSD Tests

HPLC

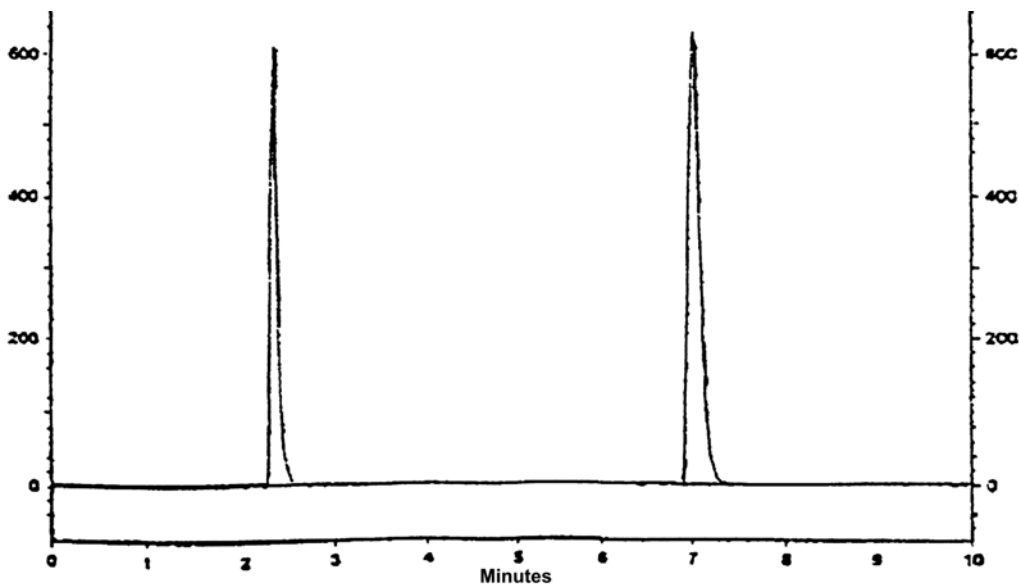
Standard conditions (no temperature control)  
with HPLC Glass cell

Caffeine, 1040 ppm

Area  
3115861  
3142967  
3090970 average = 3126203  
3168306 std. Dev. (pop.) = 27793.8  
3144064 % RSD = 0.89 %  
3165944 Std. Dev.(smpl.) = 29297.2  
3107997 % RSD = 0.94 %  
3103284  
3135032  
3087604

Acetylsalicylic Acid, 2580 ppm

Area  
5797564  
5915910  
5661776 Average = 5712721  
5794913 std. Dev. (pop.) = 127632.1  
5683115 % RSD = 2.23 %  
5853986 Std. Dev.(smpl.) = 134536.1  
5701584 % RSD = 2.36 %  
5701331  
5491499  
5525533



### CONDITIONS

|                 |                                           |
|-----------------|-------------------------------------------|
| Column          | HiChrom HIRPB, 5um, C18,<br>150 x 4.6 mm  |
| Injected volume | 10 uL                                     |
| Mobile phase    | 80 % aq. (0,1 % formic acid)<br>20 % MeCN |
| Flow rate       | 1 ml/min                                  |
| Pressure        | 2.3 bars                                  |
| Gas             | Nitrogen                                  |
| Gain            | 7                                         |
| Temperature     | 30° C                                     |

Analyzed by : Richard SCIENTIFIC U.S.A.