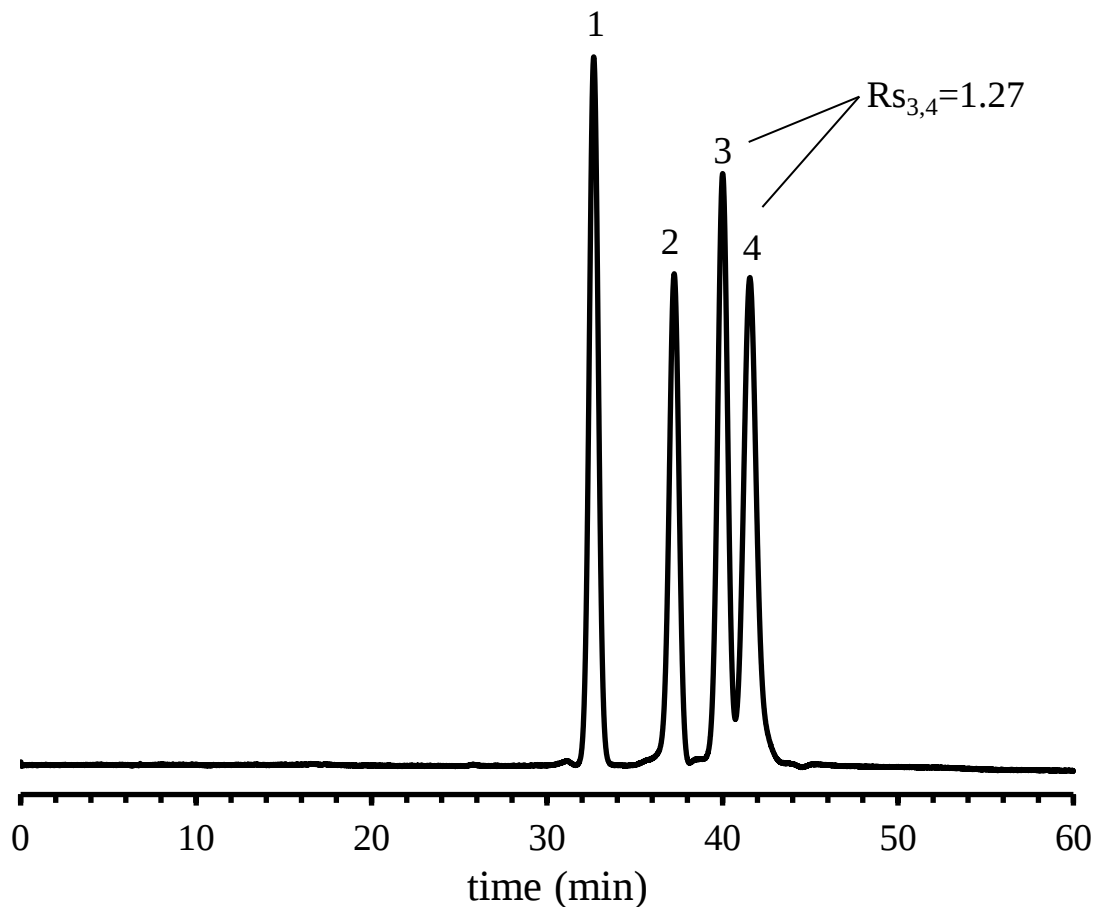


# SHINWA EXPRESS

Application

V O L. 225

## Analysis of Glucose, Galactose, Arabinose and Mannose using the ULTRON PS-80P



Column: ULTRON PS-80P (10  $\mu$ m)  
 Column size: 300 mmL x 8.0 mm I.D. + 300 mmL x 8.0 mm I.D.  
 Mobile phase: H<sub>2</sub>O  
 Flow rate: 0.5 mL/min  
 Column temp.: 80°C  
 Detection: RI

Sample: 1. Glucose (1000 mg/L)  
 2. Galactose (1000 mg/L)  
 3. Arabinose (1000 mg/L)  
 4. Mannose (1000 mg/L)  
 Diluent: water  
 Injection vol.: 10  $\mu$ L

### ● Features of the ULTRON PS-80 series (PS-80N(Na type), PS-80C(Ca type), PS-80P(Pb type))

1. The ULTRON PS series are HPLC columns packed with sulfonic acid type polystyrene cation exchange resin for sugar and sugar alcohol analysis.
2. PS-80 series are effective for quantity analysis because saccharides are not adsorbed on the matrix.
3. PS-80 series use in aqueous mobile phase.
4. PS-80 series are durable because of the use of mechanical strong polymer gel.



**SHINWA CHEMICAL INDUSTRIES LTD.**

50-2 Kagekatsu-cho, Fushimi-ku  
 Kyoto 612-8307 Japan  
 TEL: +81-75-621-2360 FAX: +81-75-602-2660  
 E-mail: [info@shinwa-cpc.co.jp](mailto:info@shinwa-cpc.co.jp)  
 Website: <https://shinwa-cpc.co.jp/en/>

■ Analytical column specifications ■

ULTRON PS-80H / PS-80N / PS-80C / PS-80P

| Product name    | Particle size<br>( $\mu\text{m}$ ) | Column dimensions<br>Length x I.D. (mm) |
|-----------------|------------------------------------|-----------------------------------------|
| ULTRON PS-80H   | 10                                 | 300×8.0                                 |
|                 |                                    | 250×2.0                                 |
| ULTRON PS-80H.G |                                    | 50×8.0                                  |
| ULTRON PS-80N   |                                    | 300×8.0                                 |
| ULTRON PS-80N.L |                                    | 500×8.0                                 |
| ULTRON PS-80N.G |                                    | 50×8.0                                  |
| ULTRON PS-80C   |                                    | 300×8.0                                 |
| ULTRON PS-80C.G |                                    | 50×8.0                                  |
| ULTRON PS-80P   |                                    | 300×8.0                                 |
| ULTRON PS-80P.G |                                    | 50×8.0                                  |



※ Please do not hesitate to contact us for the other dimensions.  
Please feel free to contact us with questions related to analyses.  
Column screening services are also available.

Please be aware that specifications and prices are subject to change without prior notification.