

HPLC Column For Organic Acid Analysis

ULTRON PS-80H

ULTRON PS-80H is HPLC column packed with sulfonic acid type polystyrene cation exchange resin for the organic acid analysis.

■ Characteristics

- ① ULTRON PS-80H is high speed and a high separation column by the ion suppression of the sample.
- ② ULTRON PS-80H shows excellent reproducibility of the retention.
- ③ ULTRON PS-80H is durable because of the use of mechanical strong polymer gel.

■ Applications

- Aliphatic, Aromatic organic acid
- Alcohols, Aldehydes, Diols
- Monitoring of the fermentation

| Column | Particle Size (μm) | Column Size Length \times Inner Diameter (mm) |
|--------------------------------|------------------------------------|--|
| ULTRON PS-80H | 10 | 300 \times 8.0 |
| ULTRON PS-80H.G (Guard Column) | | 250 \times 2.0 |
| ULTRON PS-80H.G (Guard Column) | | 50 \times 8.0 |

The maximum operation pressure : 4.0 MPa

The maximum operation temperature : 90°C

Range of pH in use : pH 2 - 6

HPLC Column For Sugar And Sugar Alcohol Analysis

ULTRON PS-80N

ULTRON PS-80C

ULTRON PS-80P

The ULTRON PS series are HPLC columns packed with sulfonic acid type polystyrene cation exchange resin for the sugar and the sugar alcohol analysis.

There are three types of PS-80N (Na type) , PS-80C (Ca type) and PS-80P (Pb type).

■ Characteristics

- ① ULTRON PS series columns are effective for quantity analysis because saccharide is not adsorbed on the matrix.
- ② ULTRON PS series columns use in aqueous mobile phase.
- ③ ULTRON PS series columns are durable because of the use of mechanical strong polymer gel.

■ Applications

- Oligosaccharides, Disaccharides, Monosaccharides
- Sugar alcohols
- Monitor of ferment hydrolysis of polysaccharide

| Column | Particle Size (μm) | Column Size Length × Inner Diameter (mm) |
|--------------------------------|--------------------|--|
| ULTRON PS-80N | 10 | 300 × 8.0 |
| ULTRON PS-80N.L | | 500 × 8.0 |
| ULTRON PS-80N.G (Guard Column) | | 50 × 8.0 |
| ULTRON PS-80C | | 300 × 8.0 |
| ULTRON PS-80C.G (Guard Column) | | 50 × 8.0 |
| ULTRON PS-80P | | 300 × 8.0 |
| ULTRON PS-80P.G (Guard Column) | | 50 × 8.0 |

The maximum operation pressure : 4.0 MPa (PS-80N, -80C, -80P)

6.0 MPa (PS-80N.L)

The maximum operation temperature : 80°C (PS-80N, -80N.L)

90°C (PS-80C, -80P)

Range of pH in use : pH 6 - 12 (PS-80N, -80N.L),

pH 6 - 7.5 (PS-80C, -80P)

HPLC Column For Inositol In Health Drink

ULTRON CI

ULTRON CI is a strong cation exchange polymer packed HPLC column for inositol.

■ Characteristics

- ① ULTRON CI perform excellent qualitative analysis for inositol in health drink.
- ② ULTRON CI shows good reproducibility in retention.
- ③ The polymer beads of ULTRON CI have mechanical strength.

The maximum operation pressure is 8.0 MPa.

The maximum operation temperature is 90 °C .

| Column | Column Size Length × Inner Diameter (mm) |
|-----------|--|
| ULTRON CI | 200 × 4.6 |

HPLC Column For Glucuronic Acid In Health Drink

ULTRON CL

ULTRON CL is a strong anion exchange polymer packed HPLC column for glucuronic acid.

■ Characteristics

- ① ULTRON CL perform excellent qualitative analysis for glucuronic acid in health drink.
- ② ULTRON CL shows good reproducibility in retention.
- ③ The polymer beads of ULTRON CI have mechanical strength.

The maximum operation pressure is 8.0 MPa.

The maximum operation temperature is 80 °C.

| Column | Column Size Length × Inner diameter (mm) |
|-----------|--|
| ULTRON CL | 150 × 4.0 |