

# Brownlee Polypore Cartridge Columns

Brownlee Polypore® columns are 10 mm, microporous polymer based columns especially suited for the analysis of sugars and organic acids.

### Features and Benefits

- Available in calcium (CA) and hydrogen (H) counter ion forms
- For analysis of sugars and organic acids

### Material Characteristics

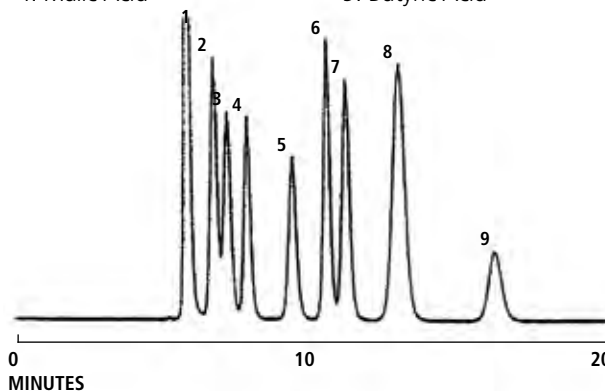
Phase	Particle Sizes (µm)	Pore Size	pH Stability	Temp. Limit (°C)	USP Code
Polypore® CA	10	Microporous	1 – 14	90	L19
Polypore® H	10	Microporous	1 – 14	90	L17

Phase	Length (mm)	Particle Size (µm)	Qty.	4.6 mm ID Part No.	Column Holder*
Polypore® H	30	10	2	07110085	07150013
	100	10	1	07110087	07150014
	220	10	1	07110089	07150015
Polypore® CA	30	10	2	07110091	07150013
	100	10	1	07110093	07150014
	220	10	1	07110095	07150015

### Organic Acids

#### Peak Identification

- |                       |                  |
|-----------------------|------------------|
| 1. Oxalic Acid        | 5. Succinic Acid |
| 2. Citric Acid        | 6. Formic Acid   |
| 3. α-Ketogutaric Acid | 7. Acetic Acid   |
| 4. Malic Acid         | 8. Fumaric Acid  |
|                       | 9. Butyric Acid  |



### Chromatographic Conditions

Column	Detection	Mobile Phase	Flow Rate	Sample	Part No.
Polypore H (220 x 4.6 mm ID)	210 nm	0.01 N H <sub>2</sub> SO <sub>4</sub>	0.15 mL/min	25 °C	07110089