

PRP-X400 Cation Exchange HPLC Column, 4.1 x 250 mm, 7 µm

Specification Sheet (Part/REF # 79473)



PRP-X400 is a type of cation exchange resin, highly effective in detecting and removing the pesticide glyphosate and its metabolites from drinking water. In addition to this specific application, it handles a broad range of inorganic and organic cations, making it indispensable in numerous scientific and industrial contexts.

Product Specifications

Separation Mode	Cation Exchange
Stationary Phase	PRP-X400
Format	HPLC Column
Hardware Inner Diameter	4.1 mm
Hardware Length	250 mm
Particle Size	7 µm
Packing Material Type	PSDVB/Sulfonic Acid
Pore Size	N/A
Particle Surface Area (m²/cm³)	8.25
Pore Volume (cm³/g)	0.0576
Hardware Material	Stainless Steel
Max Pressure	5,000 psi
Exchange Capacity	2.5 meq/gm
Exchange Capacity/Column	4.0 meq/column
Mobile Phase Limits	pH 1-13. 0-100% aqueous, organic modifier
Buffer Strength	0.0-0.5N
Temp Limits	5-60°C
Restoration	Inject several times with 100 µL of 0.1 M potassium EDTA
Compound Classification	Glyphosate
UOM	1 EACH

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/hplc-columns/79473>

Spec. Version B