

# PRP-X400 7 µm 4.6 x 250 mm PEEK

Specification Sheet (Part/REF # 79387)



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	4.6 mm
Hardware Length	250 mm
Particle Size	7 µm
Packing Material Type	PSDVB/Sulfonic Acid
Pore Size	N/A
Particle Surface Area (m <sup>2</sup> /cm <sup>3</sup> )	8.25
Pore Volume (cm <sup>3</sup> /g)	0.0576
Hardware Material	PEEK
Max Pressure	5,000 psi
Exchange Capacity	2.5 meq/gm
Mobile Phase Limits	pH 1-13. 0-100% aqueous, organic modifier
Buffer Strength	0.0-0.5N
Temp Limits	5-30°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/79387>

Spec. Version B