

Product Data Sheet

DIAION™ UBK535J

DIAION™ UBK535J is a high quality uniform particle size cation exchange resin. It has standard crosslinkage and excellent properties for industrial applications. It is recommended for industrial pharmaceuticals, fermentation and food fields.

Product

Grade Name	DIAION™ UBK535J
Type	Strong Acid Cation
Matrix	Styrene-DVB, Gel
Functional Group	Sulfonic acid
Ionic Form	Ca ²⁺

Specification

Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	1.6 min.
Water Content	%	47 - 51
Particle Size Distribution 250 - 310 µm	%	85 min.
Uniformity Coefficient	-	1.10 max.
Ionic Form Conversion (Ca ²⁺)	eq%	98 min.

Typical Properties

Shipping Density	g/L	840
Particle Density	g/mL	1.27
Mean Particle Size	µm	280

Recommended Operating Conditions

Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14



Biokal

© +31529485928



info@biokal.com
https://www.biokal.com



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Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBK535J resin in normal down flow operation is shown in the graphs below.

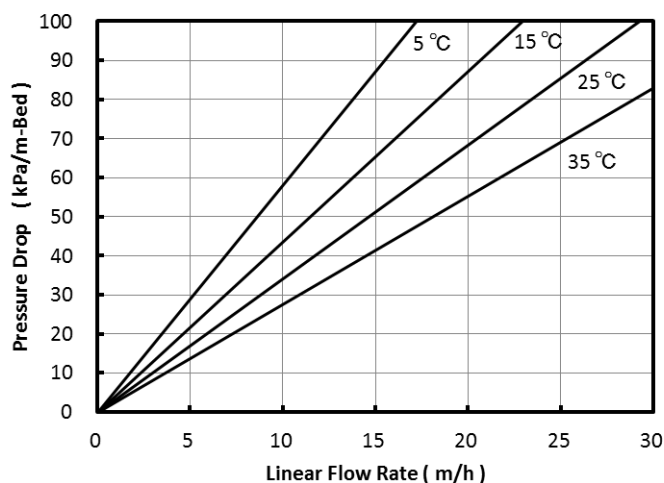


Fig. 1 Pressure Drop of UBK535J

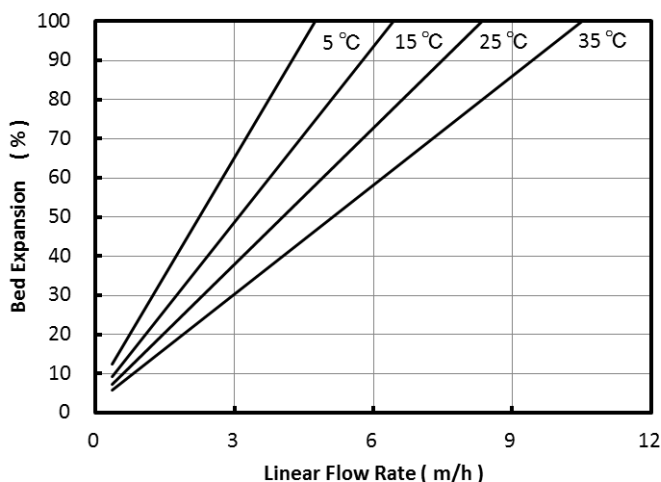


Fig. 2 Bed Expansion of UBK535J

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