Macroporous Anion Exchange Resin

D301G

D301G is a polystyrene matrix, macroporous, weakly basic anion exchange resin, containing -N (CH3) 2, a weak alkaline to strong alkaline resins, easy regeneration,, resistance to organic pollution. Using a unique process synthesis, and thus has high mechanical strength and chemical stability, Having special selectivity to cyanide gold complex, fast adsorption speed, large adsorption capacity, mainly used for gold extraction.

Index

Name	Specification
Appearance	Opalescent or light yellow opaque spherical beads
Polymer Structure	Polystyrene crosslinked with divinylbenzene
Functional Group	-N（CH3）2
Weight Exchange Capacity	≥4.8mmol/g
Volume Exchange Capacity	≥1.45mmol/ml
Water Retention Capacity	48%~58%
Real Density (g/ml）	1.03~1.06g/ml
Bulk Density (g/ml)	0.65~0.72g/ml
Particle Size Range	0.7~1.6 mm≥95
Whole Bead Count（%）	≥95%

Reference Operation Conditions

Maximum operating temperature	OH40℃，CI100℃
Resin filling height	1~3m
Operating velocity	2~10BV/h
Backwash velocity	4~10BV/h
Regeneration (desorption) velocity	1~2BV/h
Regeneration agent	2BV3~5%HCI，2BV2~4% NaOH

Application

- gold extraction