

PRODUCT DATE SHEET



Lanlang® TA213D

Macroporous type I strong base anion exchange resin

Used for water demineralization, organic scavenger, sugar decolorization.

Lanlang® TA213D is a premium grade macroporous type I strong base anion exchange resin with polyacrylic matrix and quaternary amine (Trimethylamine) function group in standard Gaussian size distribution. Its macroporous structure makes it can adsorb soluble organic molecules and provides good performance to resist to osmotic & mechanical shock and oxidation. The acrylic structure makes TA213D has excellent desorption of organics during regeneration. TA213D is used in multi bed demineralization to prevent resins from organic fouling. It (or combining with TA201D) also could be used for sugar decolorization.

Basic Features:

Application:	Water demineralization (deionization), organic scavenger, sugar decolorization.
Polymer matrix structure:	Macroporous polyacrylic crosslinked with divinylbenzene (DVB)
Appearance:	White opaque, spherical beads
Functional Group:	Quaternary amine type I (Trimethylamine)
Ionic form as shipped:	Cl ⁻

Physical and Chemical Properties:

NO.	ITEM	SPEC
1	Total exchange capacity (eq/L)	≥0.8
2	Moisture retention (%)	65-72
3	Particle size range (%)	0.315-1.25 mm≥95
4	Whole uncracked beads after attrition (%)	≥96
5	Shipping weight (g/ml)	0.65-0.73
6	Specific gravity (g/ml)	1.04-1.10
7	Effective size (mm)	0.4 - 0.6
8	Uniformity coefficient	<1.7
9	Reversible swelling, Free base → Cl ⁻ (%)	<20

Suggested Operating Conditions:

NO.	ITEM	SPEC
1	Max operating temperature	80 °C
2	PH range	0-12
3	Service flow rate	8-40 BV/h
4	Regenerant	2-10% NaCl, 2-6% NaOH