

**TRILITE® CLR-B3UP**

Chelating Resin for Boron Removal

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TRILITE® CLR-B3UP is a unique ultrapure water grade resin. It is superior grade chelating resin with high selectivity to boron and a low-leachable glucamine type chelating resin. During operation, CLR-B3UP gives excellent efficiency for boron removal and low TOC elution.

**Physical and Chemical Properties**

|                       |                          |                        |                                                                   |
|-----------------------|--------------------------|------------------------|-------------------------------------------------------------------|
| Matrix                | Styrene-DVB, Macroporous | Functional Group       | N-Methylglucamine                                                 |
| Ionic Form            | Free Base                | Total Capacity(eq/ℓ)   | 0.8 ↑                                                             |
| Capacity(eq/ℓ)        | 0.4 eq/ℓ as boron ↑      | Shipping Density(g/ℓ)  | 650~750                                                           |
| Moisture Retention(%) | 48~54                    | Uniformity Coefficient | 1.6 ↓                                                             |
| Particle Density      | 1.05~1.15                | Particle Size(μm)      | 0.30-1.25 (≥ 95%)                                                 |
| Whole Beads(%)        | 95 ↑                     | Operating Temp(°C)     | 60 ↓                                                              |
| ΔTOC                  | < 5 ppb (in 48 hr)       | Inlet Conditions       | Resistivity > 17.5 MΩ·cm,<br>TOC < 2 ppb, SV = 30 h <sup>-1</sup> |

**Applications**

TRILITE® CLR-B3UP is recommended for borate removal from high purity water treatment including ultrapure water application.

