

# Purolite® A103SPlus

**Polystyrenic Macroporous Weak  
Base Anion Resin Free Base  
form, Sugar Grade**

## PRINCIPAL APPLICATIONS

- Demineralization - Sugar solutions
- Decolorization - Sugar Solutions

## ADVANTAGES

- High operating capacity
- Superior elution efficiency of organics during regeneration
- Excellent resistance to osmotic shock
- Physically resistant to mechanical breakage
- Good rinse characteristics

## REGULATORY APPROVALS

- Kosher Certified
- Compliant with FDA Regulation 21 CFR 173.25 for Food Treatment, Ion Exchangers

## TYPICAL PACKAGING

- 1 CF Sack
- 25 L Sack
- 5 CF Drum (Fiber)
- 1 M<sup>3</sup> Supersack
- 42 CF Supersack
- Bulk Tanker (NA only)

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

|  |   |
|--|---|
| Polymer Structure                                | Macroporous polystyrene crosslinked with divinylbenzene |
| Appearance                                       | Spherical beads   |
| Functional Group                                 | Tertiary Amine  |
| Ionic Form                                       | FB  |
| Total Capacity                                   | 1.5 eq/L (32.8 Kgr/ft <sup>3</sup> ) (FB form)          |
| SBC  | 12 - 20 %   |
| Moisture Retention                               | 51 - 58 % (Cl <sup>-</sup> form)                        |
| Particle Size Range                              | 425 - 1200 µm   |
| < 425 µm (max.)                                  | 2 %   |
| Uniformity Coefficient (max.)                    | 1.6   |
| Reversible Swelling, FB → Cl <sup>-</sup> (max.) | 25 %  |
| Specific Gravity                                 | 1.04  |
| Shipping Weight (approx.)                        | 645 - 675 g/L (40.3 - 42.2 lb/ft <sup>3</sup> )         |
| Temperature Limit                                | 100 °C (212.0 °F) (Cl <sup>-</sup> form)                |
| Temperature Limit                                | 60 °C (140.0 °F) (FB form)                              |



**LENNTECH**

info@lenntech.com Tel. +31-152-610-900  
www.lenntech.com Fax. +31-152-616-289

