

# Purolite™ UltraClean™ UCW5051HCO3

Polystyrenic Macroporous, Type I  
Strong Base Anion Resin,  
Bicarbonate/Carbonate form,  
Microelectronics Grade

## PRINCIPAL APPLICATIONS

- Hydrogen peroxide purification

## ADVANTAGES

- Minimal residual chlorides and sulfates
- Minimal residual metals
- Low organic extractables and rinseables

## TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

|  |   |
|--|---|
| Polymer Structure                                    | Macroporous polystyrene crosslinked with divinylbenzene |
| Appearance   | Spherical Beads   |
| Functional Group                                     | Type I Quaternary Ammonium                              |
| Ionic Form   | HCO <sub>3</sub> + CO <sub>3</sub>                      |
| Total Capacity (min.)                                | 0.9 eq/L (19.7 Kgr/ft³) (OH <sup>-</sup> form)          |
| Moisture Retention                                   | 53 - 58 % (Cl <sup>-</sup> form)                        |
| Particle Size Range                                  | 425 - 1200 µm   |
| < 425 µm (max.)                                      | 2 %   |
| Uniformity Coefficient (max.)                        | 1.7   |
| Conversion HCO <sub>3</sub> + CO <sub>3</sub> (min.) | 99.8 %  |
| Anionic Form, SO <sub>4</sub> <sup>2-</sup> (max.)   | 0.1 %   |
| Anionic Form, Cl <sup>-</sup> (max.)                 | 0.1 %   |
| Impurities Iron (max.)                               | 50 ppm  |
| Impurities Sodium (max.)                             | 20 ppm  |
| Impurities Heavy Metals (max.)                       | 30 ppm  |
| Specific Gravity                                     | 1.09  |
| Shipping Weight (approx.)                            | 680 - 720 g/L (42.5 - 45.0 lb/ft³)                      |

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

[www.puoliteresins.com](http://www.puoliteresins.com)



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