



Graver Technologies

Quality Department

**GRAVEX[®]
GR 3-30 US
HYDROGEN/ HYDROXIDE
FORMS**

SPEC NO	GTS-330-US
REV NO	0
DATE	April 19, 2004
QA APPROVAL	<i>Keith Platoff</i>

PROPERTIES

SPECIFICATIONS

Resin Type	Strongly Acidic Cation Exchange Resin Strongly Basic Anion Exchange Resin
Functionality	Sulfonic Acid Quaternary Ammonium
Matrix	Styrene-Divinylbenzene
Cation : Anion Ratio	3:1 Equivalents
Total Exchange Capacity	Cation 1.8 meq/mL (min) Anion 1 meq/mL (min)
Percent of Sites	98% Hydrogen (min) 95% Hydroxide (min) 0.5% Chloride (max)
Particle Size	625 +/- 50 µm Mean Size
Metals (mg/dry kg)	50 Sodium (max) 100 Iron (max) 10 Copper (max)
Water Extractables, cation	400 mg/L (max)
Water Extractables, anion	400 mg/L (max)
Shipping Weight	47 lbs/ft ³ (750 g/L)