



Graver Technologies

Quality Department

GRAVEX[®]
GR 3-0
HYDROGEN/ HYDROXIDE
FORMS

SPEC NO	GTS-30-S
REV NO	4
DATE	April 25, 2001
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	1:1 Equivalents
Total Exchange Capacity	Cation 1.8 meq/mL (min) Anion 1.1 meq/mL (min)
Percent of Sites	99% Hydrogen (min) 95% Hydroxide (min) 1% Chloride (max)
Particle Size	5 % plus 16 mesh (max) 5% minus 40 mesh (max) 0.5% minus 50 mesh (max)
Metals (mg/dry kg)	50 Sodium (max) 50 Iron (max) 10 Copper (max)
Shipping Weight	43 lbs/ft ³ (689 g/L)