



Graver Technologies

Quality Department

GRAVEX®
GR 4-7 N
LITHIUM-7/HYDROXIDE FORMS

SPEC NO	GTS-47-N
REV NO	0
DATE	August 21, 2006

PROPERTIES

SPECIFICATIONS

Resin Type	Strongly Acidic Gel Cation Exchange Resin Strongly Basic Type 1 Gel Anion Exchange Resin
Functionality	Sulfonic Acid Quaternary Ammonium
Matrix	Styrene-Divinylbenzene
Cation : Anion Ratio	1:1 Equivalents
Total Exchange Capacity	Cation 2.4 meq/mL (Lithium-7 Form) (min) Anion 1.1 meq/mL (Hydroxide Form) (min)
Percent of Sites	99% Lithium-7 (min) 1% Hydrogen (max) 97% Hydroxide (min) 0.1% 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 Na (max) 50 Fe (max) 10 Cu (max) 10 Pb (max) 50 Al (max)
Shipping Weight	43 lbs/ft ³ (689 g/L)