



Graver Technologies

Quality Department

**GRAVEX®
GR 4-9 N
LITHIUM-7/HYDROXIDE
FORMS**

SPEC NO	GTS-49-N
REV NO	5
DATE	April 25, 2001
QA APPROVAL	<i>Keith Platoff</i>

PROPERTIES

Resin Type

Functionality

Matrix

Cation : Anion Ratio

Total Exchange Capacity

Percent of Sites

Particle Size

Metals (mg/dry kg)

<u>Na</u>	<u>Fe</u>	<u>Cu</u>	<u>Pb</u>	<u>Al</u>	<u>Ca</u>	<u>Mg</u>	<u>K</u>	<u>Zn</u>	<u>SiO₂</u>
50	50	10	10	50	50	50	50	50	50

Shipping Weight

SPECIFICATIONS

Strongly Acidic Gel Cation Exchange Resin

Strongly Basic Type 1 Gel Anion Exchange Resin

Sulfonic Acid

Quaternary Ammonium

Styrene-Divinylbenzene

1:1 Equivalents

Cation 1.6 meq/mL (Lithium-7 Form) (min)

Anion 1.1 meq/mL (Hydroxide Form) (min)

99% Lithium-7 (min)

97% Hydroxide (min)

0.1% Chloride (max)

5 % plus 16 mesh (max)

5% minus 40 mesh (max)

0.5% minus 50 mesh (max)

Metals (mg/dry kg) (max)

43 lbs/ft³ (689 g/L)