



Graver Technologies

Product Specification

GRAVEX[®] GR-7-16 NG Nuclear Grade Lithium

Spec No.	GTS-716-NG-Li
Rev No.	1
Date	January 09, 2018

Properties

Limits

Resin Type	Strongly Acidic Gel Cation Exchange Resin	
Functionality	Sulfonic Acid	
Matrix	Styrene Divinylbenzene	
Total Exchange Capacity	2.4 meq/mL (Cation)	(min)
Ionic Conversion	99.9% Lithium	(min)
Particle Size	5% plus 16 mesh (~1,190 μ m)	(max)
	2% minus 40 mesh (~420 μ m)	(max)
	0.5% minus 50 mesh (~300 μ m)	(max)
Friability	500 g/bead avg.	(min)
	5% < 200 g/bead	(max)
Whole Uncracked Bead	95%	(min)
Metals (mg/dry kg)		
Aluminum	50	(max)
Calcium	50	(max)
Copper	10	(max)
Iron	50	(max)
Lead	10	(max)
Magnesium	50	(max)
Potassium	50	(max)
Sodium	50	(max)
Zinc	50	(max)
Cobalt	30	(max)
Mercury	20	(max)