



Graver Technologies

Product Specification

POWDEX[®]
PREMIX 42H
Hydrogen/Hydroxide

Spec No.	GTS-PM-42H
Rev No.	5
Date	June 13, 2012

Properties

Limits

Resin Type	Strongly Acidic Cation Exchange Resin Strongly Basic Type 1 Anion Exchange Resin	
Functionality	Sulfonic Acid / Quaternary (tri-methyl) Ammonium	
Matrix	Styrene Divinylbenzene	
Cation:Anion Ratio	2:1 Dry Weight	
Total Moisture	73%	(max)
Total Exchange Capacity	4.8 meq/dg (Cation) 4 meq/dg (Anion)	(min) (min)
Ionic Conversion	99% Hydrogen 95% Hydroxide 0.5% Chloride	(min) (min) (max)
Settled Volume/Turbidity	30% (V_{15}/V_0) 15 NTU	(min) (max)
Metals (mg/dry kg)		
Copper	10	(max)
Iron	50	(max)
Sodium	50	(max)