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CERTIFICATE OF ANALYSIS

PRODUCT NAME: XRDAH

CHEMICAL: C8 + Benzyl Sulfonic Acid

SILICA TYPE: Irregular particles 60-200 micron, 60 Angstrom pores

LOT NUMBER: 221330-KP

		Specification Values	Lot Analysis
Test Appearance Average Pore Size Surface Area (m²/g) Pore Volume (cm³/g)	Method Visual SOP82-4.042 SOP82-4.042 SOP82-4.042	Min Max White Fine Powder 55Å 65Å 470 550 0.70 0.85	Conforms 60Å 528 m ² /g
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	12.00% 12.80%	0.75 cm ³ /g 12.00%
Cation Exchange %Recovery - Acid %Recovery - Neutral %Recovery - Base	SOP82-4.025 SOP82-4.011 SOP82-4.011 SOP82-4.011	0.065meq/g 0.088meq/g 85.00% 110.0% 85.00% 110.0% 85.00% 110.0%	0.070meq/g Pass Pass Pass

The shelf life is only valid if the material is stored in the original unopened container. The specifications and lot analysis are only valid using the listed methods. The test methods and specifications were current when the product was lotted.

CERTIFIED BY:

NAME: D. Kearns

TITLE: QC Analyst

Certificate issue DATE: 04/13/2022

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