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CERTIFICATE OF ANALYSIS

PRODUCT NAME: EUBCX1
CHEMICAL: Benzenesulfonic Acid
SILICA TYPE: Irregular particles 40-63 micron, 60 Angstrom pores
LOT NUMBER: 039591-DK

<u>Test</u>	<u>Method</u>	<u>Specification Values</u>		<u>Lot Analysis</u>
		<u>Min</u>	<u>Max</u>	
Average Pore Size	SOP82-4.042	55Å	65Å	60Å
Surface Area (m ² /g)	SOP82-4.042	470	530	520 m ² /g
Pore Volume (cm ³ /g)	SOP82-4.042	0.70	0.85	0.78 cm ³ /g
CUBCX1				
Appearance	Visual	White Fine Powder		White Fine Powder
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	9.28%	12.10%	10.79%
Cation Exchange	SOP82-4.025	0.307meq/g	0.341meq/g	0.338meq/g
Extraction	SOP82-4.011	85.00%	110.0%	passed

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: 02/13/2019

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