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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:**

CUQAX1

**CHEMICAL:**

QUATERNARY AMINE BONDED PARTICLE

**SILICA TYPE:**

Irregular particles 40-63 micron, 60 Angstrom pores

**LOT NUMBER:**

326040-FD

<u>Test</u>	<u>Method</u>	<u>Specification Values</u>		<u>Lot Analysis</u>
		<u>Min</u>	<u>Max</u>	
Appearance	Visual	White Fine Powder		White Fine Powder
Average Pore Size	SOP82-4.042	55Å	65Å	60Å
Surface Area (m <sup>2</sup> /g)	SOP82-4.042	470	530	503 m <sup>2</sup> /g
Pore Volume (cm <sup>3</sup> /g)	SOP82-4.042	0.70	0.85	0.70 cm <sup>3</sup> /g
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	7.09%	9.71%	7.28%
Anion Exchange	SOP82-4.028	0.200	0.260	0.200 meq/g
Extraction	SOP82-4.014	80.00%	110.0%	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:** L. Bender

**TITLE:** QC Analyst

**Certificate issue DATE:** 04/14/2023

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