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## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** ECQUEU22CT

CHEMICAL: Mixture of MgSO4, CUPSA, CEC18

SILICA TYPE: Irregular particles 40-63 micron, 60 Angstroms

LOT NUMBER: 074575-AD

		<b>Specification Values</b>		<b>Lot Analysis</b>
Test Average Pore Size Surface Area (m²/g) Pore Volume (cm³/g) Appearance MgSO4 (lot#223010-BO)	Method SOP82-4.042 SOP82-4.042 SOP82-4.042 Visual	Min 55Å 470 0.70 White F	<u>Max</u> 65Å 530 0.85 Tine Powder	60Å 504 m²/g 0.74 cm³/g White Fine Powder
■ Total sorbent weight per tube (150mg)	Ignition	99.50% 143	100.5% 158	100.1% Conforms
CUPSA (lot#127180-GY) Carbon Analysis by Weight (Organic Loading)	SOP82-4.024		12.50%	11.81%
Anion Exchange  Total sorbent weight per tube (25mg)	SOP82-4.028	1.00 23.8	1.50 26.3	1.147meq/g Conforms
CEC18 (lot#122021-CS) Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	20.50%	22.70%	21.14%
Endcapping  ■ Total sorbent weight per tube (25mg)	SOP82-4.027	0.00abs 23.8	0.90abs 26.3	0.610abs Conforms

<sup>•</sup> All components of this product are individually weighed. The mass of each raw material meets method required tolerances.

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: 03/15/2023

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