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CERTIFICATE OF ANALYSIS

PRODUCT NAME: CUMPS15C18CT

CHEMICAL: Mixture of MgSO4, CUPSA, CEC18

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

069235-NP LOT NUMBER:

		Specification Values		Lot Analysis
Test Average Pore Size Surface Area (m²/g) Pore Volume (cm³/g) Appearance MgSO4 (lot#121120-BL) Assay	Method SOP82-4.042 SOP82-4.042 SOP82-4.042 Visual	Min 55Å 470 0.70 White F	Max 65Å 530 0.85 Sine Powder	60Å 496 m²/g 0.73 cm³/g White Fine Powder 100.2%
Total sorbent weight per tube (150mg)	Igintion	143	158	Conforms
CUPSA (lot#128040-GU) Carbon Analysis by Weight (Organic Loading) Anion Exchange Total sorbent weight per tube (150mg)	SOP82-4.024 SOP82-4.028	10.50% 1.00 143	12.50% 1.50 158	11.13% 1.108meq/g Conforms
CEC18 (lot#125170-CP) Carbon Analysis by Weight (Organic Loading) Endcapping	SOP82-4.024 SOP82-4.027	0.00abs	22.70% 0.90abs	21.25% 0.529abs
• Total sorbent weight per tube (50mg)		48	53	Conforms

[•] 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: L. Bender

TITLE: QC Analyst

Certificate issue DATE: 07/07/2022

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