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CERTIFICATE OF ANALYSIS

PRODUCT NAME: CUMPSC1815CT2

CHEMICAL: Mixture of MgSO4, CUPSA, CEC18

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

079663-TP LOT NUMBER:

		Specification Values		Lot Analysis
Test Average Pore Size Surface Area (m²/g) Pore Volume (cm³/g) Appearance MgSO4 (lot#320220-BS)	Method SOP82-4.042 SOP82-4.042 SOP82-4.042 Visual	.,	Max 65Å 530 0.85 ine Powder	60Å 503 m²/g 0.70 cm³/g White Fine Powder
AssayTotal sorbent weight per tube (1200mg)	Ignition	99.50% 1140	100.5% 1260	100.0% Conforms
CUPSA (lot#320260-HG) Carbon Analysis by Weight (Organic Loading) Anion Exchange	SOP82-4.024 SOP82-4.028	1.00	12.50% 1.50	11.1% 1.024meq/g
• Total sorbent weight per tube (400mg)		380	420	Conforms
CEC18 (lot#324050-DF) Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	20.50%	22.70%	21.19%
Endcapping ● Total sorbent weight per tube (400mg)	SOP82-4.027	0.00abs 380	0.90abs 420	0.426 abs 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: 11/01/2023

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