

2731 Bartram Road Bristol, PA 19007-6893 800.385.3153 www.unitedchem.com

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CHEMICAL: SILICA TYPE: LOT NUMBER: CUMPSC1815CT2 Mixture of MgSO4, CUPSA, CEC18 Irregular particles 40-63 micron, 60 Angstroms 041701-TM

		Specification Values		Lot Analysis
Test Average Pore Size Surface Area (m ² /g) Pore Volume (cm ³ /g) Appearance MgSO4 (lot#814160-BD) Assay	Method SOP82-4.042 SOP82-4.042 SOP82-4.042 Visual Ignition	Min 55Å 470 0.70 White F 99.50%	Max 65Å 530 0.85 Vine Powder 100.5%	60Å 520 m ² /g 0.79 cm ³ /g White Fine Powder 99.90%
 Total sorbent weight per tube (1200mg) 	0	1140	1260	Conforms
CUPSA (lot#818011-GD) Carbon Analysis by Weight (Organic Loading) Anion Exchange	SOP82-4.024 SOP82-4.028	10.50% 1.00	12.50% 1.50	11.00%
• Total sorbent weight per tube (400mg)		380	420	Conforms
CEC18 (lot#813190-BH) Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	20.50%	22.70%	20.85 %
EndcappingTotal sorbent weight per tube (400mg)	SOP82-4.027	0.00abs 380	0.90abs 420	0.372 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: 04/22/2019

2731 Bartram Road / Bristol, PA 19007 USA / Phone 215-781-9255 / Fax 215-785-1226 Email: <u>info@unitedchem.com</u> Internet: HTTP://www.unitedchem.com