



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

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:**

ECMPSCB-MP

**CHEMICAL:**

Mixture of MgSO<sub>4</sub>, CUPSA, CUCARB

**SILICA TYPE:**

Irregular particles 40-63 micron, 60 Angstroms

**LOT NUMBER:**

044150-DH

		<u>Specification Values</u>		<u>Lot Analysis</u>
<u>Test</u>	<u>Method</u>	<u>Min</u>	<u>Max</u>	
Average Pore Size	SOP82-4.042	55Å	65Å	60Å
Surface Area (m <sup>2</sup> /g)	SOP82-4.042	470	530	508 m <sup>2</sup> /g
Pore Volume (cm <sup>3</sup> /g)	SOP82-4.042	0.70	0.85	0.79 cm <sup>3</sup> /g
Appearance	Visual	White Fine Powder		White Fine Powder
<b>MgSO4</b> (lot#919010-BE)				
Assay	Ignition	99.50%	100.5%	100.0%
● Total sorbent weight per pouch (900mg)		855	945	Conforms
<b>CUPSA</b> (lot#817221-GE)				
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	10.50%	12.50%	11.40%
Anion Exchange	SOP82-4.028	1.00	1.50	1.041meq/g
● Total sorbent weight per pouch (300mg)		285	315	Conforms
<b>CUCARB</b> (lot#816021-DU)				
Graphitized carbon	SOP82-4.042			133 m <sup>2</sup> /g
● Total sorbent weight per pouch (150mg)		143	158	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:** 07/25/2019

2731 Bartram Road / Bristol, PA 19007 USA / Phone 215-781-9255 / Fax 215-785-1226

Email: [info@unitedchem.com](mailto:info@unitedchem.com) Internet: [HTTP://www.unitedchem.com](http://www.unitedchem.com)