



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

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:**

ECQUUS1215CT

**CHEMICAL:**

Mixture of MgSO<sub>4</sub>, CUPSA, CUFLS, CUALB

**SILICA TYPE:**

Irregular particles 40-63 micron, 60 Angstroms

**LOT NUMBER:**

070484-BQ

		<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	496 m <sup>2</sup> /g
Pore Volume (cm <sup>3</sup> /g)	SOP82-4.042	0.70	0.85	0.73 cm <sup>3</sup> /g
Appearance	Visual	White Fine Powder		White Fine Powder
<b>MgSO4</b> (lot#226040-BQ)				
Assay	Ignition	99.50%	100.5%	100.1%
● Total sorbent weight per tube (175mg)		166	184	Conforms
<b>CUPSA</b> (lot#128290-GZ)				
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	10.00%	11.50%	11.57%
Anion Exchange	SOP82-4.028	1.00	1.20	1.116meq/g
● Total sorbent weight per tube (50mg)		47	53	Conforms
<b>CUFLS</b> (lot#029070-CS)				
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	Report Only		1.00%
● Total sorbent weight per tube (100mg)		95	105	Conforms
<b>CUALB</b> (lot#617270-BA)				
pH		8.5		10.1
● Total sorbent weight per tube (50mg)		47	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:** 10/03/2022

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)