



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

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:**

ECPSACB256

**CHEMICAL:**

CUPSA (bottom layer), CUCARB (top layer)

**SILICA TYPE:**

Irregular particles 40-63 micron, 60 Angstroms

**LOT NUMBER:**

041576-GD

		<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	520 m <sup>2</sup> /g
Pore Volume (cm <sup>3</sup> /g)	SOP82-4.042	0.70	0.85	0.78 cm <sup>3</sup> /g
Appearance	Visual	White Fine Powder		White Fine Powder
<b>CUPSA (lot#818011-GD)</b>				
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	10.50%	12.50%	11.00%
Anion Exchange	SOP82-4.028	1.00	1.50	1.119meq/g
● Total sorbent weight per tube (500mg)		475	525	Conforms
<b>CUCARB (lot#811060-DS)</b>				
Graphitized carbon (Surface area)	SOP82-4.042			128m <sup>2</sup> /g
● Total sorbent weight per tube (250mg)		237	263	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:** 04/18/2019

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)