



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

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CECn4
CHEMICAL: n-BUTYL ENDCAPPED BONDED SILICA
SILICA TYPE: Irregular particles 40-63 micron, 60 Angstrom pores
LOT NUMBER: 019210-PL

<u>Test</u>	<u>Method</u>	<u>Specification Values</u>		<u>Lot Analysis</u>
		<u>Min</u>	<u>Max</u>	
Average Pore Size	SOP82-4.042	55Å	65Å	58Å
Surface Area (m ² /g)	SOP82-4.042	470	530	496 m ² /g
Pore Volume (cm ³ /g)	SOP82-4.042	0.70	0.85	0.75 cm ³ /g
pH	Supplier	6.5	7.5	7.0
Solid (wt%)	Supplier	≥96		99.5%
Appearance	Visual	White Fine Powder		White Fine Powder
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	7.85%	9.15%	8.82%
Endcapping	SOP82-4.027	Report Only		2.87abs

*The shelf life for this product is 24 months from the date of shipment.
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: D. Shawn Ream

TITLE: QC MANAGER

DATE:

2731 Bartram Road / Bristol, PA 19007 USA / Phone 215-781-9255 / Fax 215-785-1226
Email: info@unitedchem.com Internet: [HTTP://www.unitedchem.com](http://www.unitedchem.com)