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## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** EC525  
**CHEMICAL:** OCTADECYL UNENDCAPPED BONDED SILICA  
**SILICA TYPE:** Irregular particles 40-63 micron, 60 Angstroms  
**LOT NUMBER:** 038548-CO

| <u>Test</u>                                    | <u>Method</u> | <u>Specification Values</u> |            | <u>Lot Analysis</u>     |
|--|---------------|-----------------------------|------------|-------------------------|
|  |               | <u>Min</u>                  | <u>Max</u> |                         |
| Appearance                                     | Visual        | White Fine Powder           |            | White Fine Powder       |
| Average Pore Size                              | SOP82-4.042   | 55Å                         | 65Å        | 60Å                     |
| Surface Area (m <sup>2</sup> /g)               | SOP82-4.042   | 470                         | 530        | 493 m <sup>2</sup> /g   |
| Pore Volume (cm <sup>3</sup> /g)               | SOP82-4.042   | 0.62                        | 1.02       | 0.75 cm <sup>3</sup> /g |
| Carbon Analysis by Weight<br>(Organic Loading) | SOP82-4.024   | 15.50%                      | 17.50%     | 17.02%                  |

*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. Kearns

**TITLE:** QC ANALYST

**Certificate issue DATE:** 03/27/2019

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