

## Certificate of Analysis

Date of Testing: 2023-08-17 14:09:27  
 Date of Next Testing: 2027-08-16 14:09:27  
 Product Name: **Celite® 545**  
 CAS Number: 68855-54-9  
 Specifications & Purity: filter aid, NaCO<sub>3</sub> treating, flux calcined  
 Lot #: H2310351  
 SKU #: **C101413**  
**Analysis: 255624**

Parameter	Limit Values	Result
Al <sub>2</sub> O <sub>3</sub>	0-4 (%)	2.12 %
Median Particle Size	46-47 (µm)	46.00 µm
Chiral Derivatization Test	2-25 (%)	9.60 %
Silicon dioxide (SiO <sub>2</sub> )	89.6-100 (%)	93.60 %
MgO	0-0.6 (%)	0.20 %
Na <sub>2</sub> O + K <sub>2</sub> O	0-3.3 (%)	1.63 %
Fe <sub>2</sub> O <sub>3</sub>	0-1.3 (%)	0.99 %
Permeability	2.3-6.5 (Darcy)	3.39 Darcy
Specific gravity	2.2-2.4	2.30
TiO <sub>2</sub>	0-0.2 (%)	0.12 %
PH(10% in water)	9-11	10.55
Loss on Ignition(1000°C)	0-0.2 (%)	0.12 %
Centrifuged wet density,lbs/ft <sup>3</sup>	16.5-23	19.50
Moisture,as shipped	0-1 (%)	0.63 %
CaO	0-0.5 (%)	0.30 %
Appearance (C101413)	White to Off-White Powder	White to Off-White Powder



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager