

## Certificate of Analysis

Date of Testing:	2023-08-18 11:01:45
Date of Next Testing:	2027-08-17 11:01:45
Product Name:	<b>Celite® 545</b>
CAS Number:	68855-54-9
Specifications & Purity:	filter aid, NaCO <sub>3</sub> treating, flux calcined
Lot #:	H2310358
SKU #	<b>C101413</b>
<b>Analysis:</b>	<b>255624</b>

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



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ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager