

Certificate of Analysis

Date of Testing:	2024-06-04 11:54:46
Date of Next Testing:	2028-06-03 11:54:46
Product Name:	Celite® 545
CAS Number:	68855-54-9
Specifications & Purity:	filter aid, NaCO ₃ treating, flux calcined
Lot #:	E2428179
SKU #	C101413
Version	0
Analysis #:	358317

Parameter	Limit Values	Result
Permeability	2.3-6.5 (Darcy)	3.10 Darcy
Centrifuged wet density,lbs/ft ³	16.5-23	20.80
Al ₂ O ₃	0-4 (%)	2.24 %
Median Particle Size	46-47 (µm)	46.00 µm
Chiral Derivatization Test	2-25 (%)	6.30 %
Silicon dioxide (SiO ₂)	89.6-100 (%)	92.00 %
MgO	0-0.6 (%)	0.35 %
Na ₂ O + K ₂ O	0-3.3 (%)	2.00 %
Fe ₂ O ₃	0-1.3 (%)	1.00 %
Specific gravity	2.2-2.4	2.20
TiO ₂	0-0.2 (%)	0.10 %
PH(10% in water)	9-11	10.20
Loss on Ignition(1000°C)	0-0.2 (%)	0.10 %
Moisture,as shipped	0-1 (%)	0.55 %
CaO	0-0.5 (%)	0.24 %
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager