

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-11-11 15:49:42
Date of Next Testing:	2026-11-10 15:49:42
Product Name:	Celite® 545
CAS Number:	68855-54-9
Specifications & Purity:	filter aid, NaCO ₃ treating, flux calcined
Lot #:	K2209331
SKU #	C101413
Analysis:	143537

Parameter	Limit Values	Result
Al ₂ O ₃	0-4 (%)	0.25 %
Median Particle Size	46-47 (µm)	46.33 µm
Chiral Derivatization Test	2-25 (%)	9.60 %
Silicon dioxide (SiO ₂)	89.6-100 (%)	92.34 %
MgO	0-0.6 (%)	0.18 %
Na ₂ O + K ₂ O	0-3.3 (%)	1.32 %
Fe ₂ O ₃	0-1.3 (%)	0.83 %
Permeability	2.3-6.5 (Darcy)	3.39 Darcy
Specific gravity	2.2-2.4	2.26
TiO ₂	0-0.2 (%)	0.18 %
PH(10% in water)	9-11	9.36
Loss on Ignition(1000°C)	0-0.2 (%)	0.18 %
Centrifuged wet density,lbs/ft ³	16.5-23	19.50
Moisture,as shipped	0-1 (%)	0.36 %
CaO	0-0.5 (%)	0.28 %
Appearance (C101413)	White to Off-White Powder	White to Off-White Powder



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager