

Certificate of Analysis

Date of Testing: 2022-05-09 10:03:11
Date of Next Testing: 2026-05-08 10:03:11
Product Name: **Celite® 545**
CAS Number: 68855-54-9
Specifications & Purity: filter aid, NaCO₃ treating, flux calcined
Lot #: G1818120
SKU #: **C101413**
Analysis: **089465**

Parameter	Limit Values	Result
Al ₂ O ₃	0-4 (%)	1.98 %
Median Particle Size	46-47 (µm)	46.60 µm
Chiral Derivatization Test	2-25 (%)	10.20 %
Silicon dioxide (SiO ₂)	89.6-100 (%)	89.70 %
MgO	0-0.6 (%)	0.48 %
Na ₂ O + K ₂ O	0-3.3 (%)	2.48 %
Fe ₂ O ₃	0-1.3 (%)	1.14 %
Permeability	2.3-6.5 (Darcy)	3.46 Darcy
Specific gravity	2.2-2.4	2.29
TiO ₂	0-0.2 (%)	0.08 %
PH(10% in water)	9-11	10.10
Loss on Ignition(1000°C)	0-0.2 (%)	0.12 %
Centrifuged wet density,lbs/ft ³	16.5-23	19.10
Moisture,as shipped	0-1 (%)	0.49 %
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