

Certificate of Analysis

Date of Testing: 2023-08-17 15:14:26
Date of Next Testing: 2027-08-16 15:14:26
Product Name: **Celite® 545**
CAS Number: 68855-54-9
Specifications & Purity: filter aid, NaCO₃ treating, flux calcined
Lot #: H2310359
SKU #: **C101413**
Analysis: **255624**

Parameter	Limit Values	Result
Al ₂ O ₃	0-4 (%)	2.12 %
Median Particle Size	46-47 (µm)	46.00 µm
Chiral Derivatization Test	2-25 (%)	9.60 %
Silicon dioxide (SiO ₂)	89.6-100 (%)	93.60 %
MgO	0-0.6 (%)	0.20 %
Na ₂ O + K ₂ O	0-3.3 (%)	1.63 %
Fe ₂ O ₃	0-1.3 (%)	0.99 %
Permeability	2.3-6.5 (Darcy)	3.39 Darcy
Specific gravity	2.2-2.4	2.30
TiO ₂	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 ³	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