

Certificate of Analysis

Date of Testing: 2024-07-26 13:10:39

Date of Next Testing: 2026-07-26 13:10:39

Product Name: **Cellulose acetate**

CAS Number: 9004-35-7

Specifications & Purity: Acetyl Content 39.8%, Hydroxyl Content 3.5 wt %

Lot #: G2416064

SKU #: **C106244**

Version: **0**

Analysis #: **359857**

Parameter	Limit Values	Result
Acetyl Content	39.3-40.3 (%)	39.54 %
Melting point	230-250 (°C)	245.00000 °C
Hydroxyl Content	3-4 (%)	3.20 %
Ash	0-0.05 (%)	0.04 %
Acidity (as Acetic Acid)	0-0.1 (%)	0.09 %
Dielectric Strength	669 kv/cm (1.7 kv/mil)	669 kv/cm (1.7 kv/mil)
Glass Transition Temperature (Tg)	185°C	185°C
Poured	320 kg/m ³ (20 lb/ft ³)	320 kg/m ³ (20 lb/ft ³)
Tapped	400 kg/m ³ (25 lb/ft ³)	400 kg/m ³ (25 lb/ft ³)
Tukon Hardness	26 Knoop	26 Knoop
Wt/Vol	1.31 kg/L (10.9 lb/gal)	1.31 kg/L (10.9 lb/gal)
Appearance (C106244)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks
bulk density	0.08g/cm ³	0.08g/cm ³
Infrared spectrum	Conforms to Structure	Conforms to Structure
viscosity , 38 poise	Conforms	Conforms



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