

Certificate of Analysis

Date of Testing: 2024-04-20 11:36:06

Date of Next Testing: 2026-04-20 11:36:06

Product Name: **Cellulose acetate**

CAS Number: 9004-35-7

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

Lot #: D2408115

SKU #: **C106244**

Analysis: 329137

Parameter	Limit Values	Result
Acetyl Content	39.3-40.3 (%)	39.50 %
Hydroxyl Content	3-4 (%)	3.50 %
Melting point	230-250 (°C)	238.09000 °C
Ash	0-0.05 (%)	0.00 %
Acidity (as Acetic Acid)	0-0.1 (%)	0.09 %
Appearance (C106244)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
bulk density	0.08g/cm ³	0.08g/cm ³
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
viscosity , 38 poise	Conforms	Conforms
Wt/Vol	1.31 kg/L (10.9 lb/gal)	1.31 kg/L (10.9 lb/gal)



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager