

Certificate of Analysis

Date of Testing: 2023-05-09 16:34:11

Date of Next Testing: 2025-05-08 16:34:11

Product Name: **Cellulose acetate**

CAS Number: 9004-35-7

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

Lot #: D2328078

SKU #: **C106244**

Analysis: 213526

Parameter	Limit Values	Result
Acetyl Content	39.3-40.3 (%)	39.82 %
Acidity (as Acetic Acid)	0-0.1 (%)	0.05 %
Ash	0-0.05 (%)	0.02 %
Hydroxyl Content	3-4 (%)	3.20 %
Melting point	230-250 (°C)	235.00000 °C
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 (T _g)	185°C	185°C
Infrared spectrum	Conforms to Structure	Conforms to Structure
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)
Appearance (C106244)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager