

Certificate of Analysis

Date of Testing:	2023-04-07 16:28:02
Date of Next Testing:	2025-04-06 16:28:02
Product Name:	Cellulose acetate
CAS Number:	9004-35-7
Specifications & Purity:	Acetyl Content 39.8%, Hydroxyl Content 3.5 wt %
Lot #:	C2329694
SKU #	C106244
Analysis:	199235

Parameter	Limit Values	Result
Acetyl Content	39.3-40.3 (%)	39.82 %
Acidity (as Acetic Acid)	0-0.1 (%)	0.01 %
Ash	0-0.05 (%)	0.02 %
Hydroxyl Content	3-4 (%)	3.50 %
Melting point	230-250 (°C)	235.50000 °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
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 Knoops	26 Knoops
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
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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

John Su
QA & QC Manager