

Certificate of Analysis

Date of Testing:	2023-09-13 14:14:06
Date of Next Testing:	2025-09-12 14:14:06
Product Name:	Cellulose acetate
CAS Number:	9004-35-7
Specifications & Purity:	Acetyl Content 39.8%, Hydroxyl Content 3.5 wt %
Lot #:	L2106148
SKU #	C106244
Analysis:	275538

Parameter	Limit Values	Result
Acetyl Content	39.3-40.3 (%)	39.80 %
Acidity (as Acetic Acid)	0-0.1 (%)	0.00 %
Ash	0-0.05 (%)	0.01 %
Hydroxyl Content	3-4 (%)	3.14 %
Melting point	230-250 (°C)	240.70000 °C
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
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)



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager