

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-29 11:52:39
 Date of Next Testing: 2030-04-28 11:52:39
 Product Name: **Poly(vinyl alcohol) (PVA)**
 CAS Number: 9002-89-5
 Specifications & Purity: Ultra pure, degree of hydrolysis: 78.5-81.5 mol%, Viscosity: 2.8-3.3 mPa.s
 Lot #: D2627454
 SKU #: **P139542**
 Version: **2**
 Analysis #: **696132**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ash	0-0.4 (%)	0.25000 %
Volatile matter	0-5 (%)	1.50000 %
pH	5-7	5.40000
Viscosity(4% in H ₂ O, 20°C)	2.8-3.3 (mPa·S)	3.00000 mPa·S
Degree of hydrolysis	78.5-81.5 (Mole%)	81.40000 Mole%
Sodium(Na)	0-5000 (ppm)	2760.00000 ppm
Magnesium(Mg)	0-1 (ppm)	0.60000 ppm
Aluminum(Al)	0-1 (ppm)	0.50000 ppm
Potassium(K)	0-1 (ppm)	0.30000 ppm
Calcium(Ca)	0-1 (ppm)	0.50000 ppm
Chromium(Cr)	0-1 (ppm)	0.70000 ppm
Manganese(Mn)	0-1 (ppm)	0.30000 ppm
Iron(Fe)	0-1 (ppm)	0.46000 ppm
Cobalt(Co)	0-1 (ppm)	0.25000 ppm
Nickel(Ni)	0-1 (ppm)	0.18000 ppm
Copper(Cu)	0-1 (ppm)	0.28000 ppm
Titanium(Ti)	0-1 (ppm)	0.45000 ppm
Zinc(Zn)	0-1 (ppm)	0.86000 ppm
Zirconium(Zr)	0-1 (ppm)	0.10000 ppm
Stannum(Sn)	0-1 (ppm)	0.10000 ppm
Lead(Pb)	0-1 (ppm)	0.12000 ppm
Silver(Ag)	0-1 (ppm)	0.21000 ppm
Cadmium(Cd)	0-1 (ppm)	0.15000 ppm
Lithium(Li)	0-1 (ppm)	0.30000 ppm
Boron(B)	0-1 (ppm)	0.80000 ppm



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Parameter	Limit Values	Result
Sulfur(S)	0-50 (ppm)	26.00000 ppm

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

John Su
QA & QC Manager