

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-09-09 16:26:58
Date of Next Testing:	2028-09-08 16:26:58
Product Name:	<b>1-Pentanol</b>
CAS Number:	71-41-0
Specifications & Purity:	high-purity , >99.5%(GC)
Lot #:	I2403534
SKU #	<b>P108126</b>
Version	<b>0</b>
Analysis #:	<b>402612</b>

Parameter	Limit Values	Result
Calcium(Ca)	0-50 (%)	0.52 %
Iron(Fe)	0-50 (%)	0.41 %
Chromium(Cr)	0-0.02 (ppm)	0.01 ppm
Boron(B)	0-0.02 (ppm)	0.01 ppm
Water by Karl Fischer	0-0.1 (%)	0.03 %
Zinc(Zn)	0-10 (%)	0.05 %
Cobalt(Co)	0-0.02 (ppm)	0.01 ppm
Barium(Ba)	0-10 (%)	0.63 %
Aluminum(Al)	0-50 (%)	0.52 %
Sn (Tin)	0-10 (%)	0.53 %
Nickel(Ni)	0-0.02 (ppm)	0.01 ppm
Manganese(Mn)	0-0.02 (ppm)	0.02 ppm
Magnesium(Mg)	0-10 (%)	0.01 %
Evaporation Residue	0-0.005 (%)	0.00 %
Valerian aldehyde (GC)	0-0.1 (%)	0.04 %
(Pb)Lead	0-10 (%)	0.33 %
Cadmium(Cd)	0-5 (%)	0.03 %
Purity(GC)	99.5-100 (%)	99.84 %
free acid (as CH <sub>3</sub> COOH)	0-0.005 (%)	0.00 %
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Appearance (P108126)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Readily carbonizable substance	pass	Pass



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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