

Certificate of Analysis

Date of Testing: 2025-01-06 10:10:03

Date of Next Testing: 2029-01-05 10:10:03

Product Name: **1-Pentanol**

CAS Number: 71-41-0

Specifications & Purity: high-purity, ≥99.5%(GC)

Lot #: L2423253

SKU #: **P108126**

Version: **0**

Analysis #: **448168**

Parameter	Limit Values	Result
Calcium(Ca)	0-50 (%)	1.02 %
Iron(Fe)	0-50 (%)	0.84 %
Chromium(Cr)	0-0.02 (ppm)	0.00 ppm
Boron(B)	0-0.02 (ppm)	0.00 ppm
Water by Karl Fischer	0-0.1 (%)	0.03 %
Zinc(Zn)	0-10 (%)	0.28 %
Cobalt(Co)	0-0.02 (ppm)	0.02 ppm
Barium(Ba)	0-10 (%)	0.12 %
Aluminum(Al)	0-50 (%)	0.58 %
Sn (Tin)	0-10 (%)	0.00 %
Nickel(Ni)	0-0.02 (ppm)	0.00 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00 ppm
Magnesium(Mg)	0-10 (%)	0.24 %
Evaporation Residue	0-0.005 (%)	0.00 %
Valerian aldehyde (GC)	0-0.1 (%)	0.04 %
(Pb)Lead	0-10 (%)	0.03 %
Cadmium(Cd)	0-5 (%)	0.04 %
Purity(GC)	99.5-100 (%)	99.88 %
free acid (as CH ₃ COOH)	0-0.005 (%)	0.00 %
Copper(Cu)	0-0.02 (ppm)	0.01 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".

John Su
QA & QC Manager