

Certificate of Analysis

Date of Testing: 2024-12-09 09:31:48

Date of Next Testing: 2027-12-09 09:31:48

Product Name: **2-Methylbutane**

CAS Number: 78-78-4

Specifications & Purity: puriss. p.a., ≥99.5%(GC)

Lot #: L2404295

SKU #: **M434185**

Version: **1**

Analysis #: **448079**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.60 %
Refractive index n ₂₀ /D	1.353-1.356	1.35
Water by Karl Fischer	0-0.05 (%)	0.00 %
Aluminum(Al)	0-0.5 (ppm)	0.00 ppm
Barium(Ba)	0-0.1 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.00 ppm
Calcium(Ca)	0-0.5 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.02 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00 ppm
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Iron(Fe)	0-0.1 (ppm)	0.01 ppm
Potassium(K)	0-0.5 (ppm)	0.00 ppm
Lithium(Li)	0-0.1 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.00 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.00 ppm
Sodium(Na)	0-0.5 (ppm)	0.00 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00 ppm
Lead(Pb)	0-0.1 (ppm)	0.00 ppm
Strontium(Sr)	0-0.1 (ppm)	0.00 ppm
Zinc(Zn)	0-0.1 (ppm)	0.00 ppm
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager