



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-237959  
Lot Number: SAMPLE  
Product Name: 2-Butanol  
CAS Number: 78-92-2  
Molecular Formula: C<sub>4</sub>H<sub>10</sub>O  
Molecular Weight: 74.12

Test	Specification	Result
Appearance	Colorless clear liquid	Colorless clear liquid
Assay	No aromatic compounds detected by UV	None detected
Identification ( <sup>1</sup> H-NMR)	Conforms to structure	Conforms
Purity (GC)	≥ 99.5 %, Tert-butanol ≤ 0.1 %, Isopropanol ≤ 0.1 %	99.7 %, Tert-butanol not detected, Isopropanol not detected
Residue after evaporation	≤ 0.001 %	0.0001 %
Refractive Index	1.396 - 1.398	1.397
Aluminum	≤ 0.5 MG/KG	< 0.5 MG/KG
Barium	≤ 0.1 MG/KG	< 0.1 MG/KG
Bismuth	≤ 0.1 MG/KG	< 0.1 MG/KG
Butanone	≤ 1000 MG/KG	< 1000 MG/KG
Cadmium	≤ 0.05 MG/KG	< 0.05 MG/KG
Calcium	≤ 0.5 MG/KG	< 0.5 MG/KG
Chromium	≤ 0.02 MG/KG	< 0.02 MG/KG
Cobalt	≤ 0.02 MG/KG	< 0.02 MG/KG
Copper	≤ 0.02 MG/KG	< 0.02 MG/KG
Iron	≤ 0.1 MG/KG	< 0.1 MG/KG
Ketone	≤ 100 MG/KG (CH <sub>3</sub> COCH <sub>3</sub> )	≤ 100 MG/KG (CH <sub>3</sub> COCH <sub>3</sub> )
Lead	≤ 0.1 MG/KG	< 0.1 MG/KG
Lithium	≤ 0.1 MG/KG	< 0.1 MG/KG

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Magnesium	≤ 0.1 MG/KG	< 0.1 MG/KG
Manganese	≤ 0.02 MG/KG	< 0.02 MG/KG
Molybdenum	≤ 0.1 MG/KG	< 0.1 MG/KG
n-butanol	≤ 50 MG/KG	< 50 MG/KG
Nickel	≤ 0.02 MG/KG	< 0.02 MG/KG
Potassium	≤ 0.5 MG/KG	< 0.5 MG/KG
Sodium	≤ 0.5 MG/KG	< 0.5 MG/KG
Strontium	≤ 0.1 MG/KG	< 0.1 MG/KG
Water Content	≤ 0.1 %	0.016 %
Zinc	≤ 0.1 MG/KG	< 0.1 MG/KG

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.