LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Acetone 99.5% Semiconductor/ Electronic Grade
Item Number: ACES
CAS#: 67-64-1
Grade: Semiconductor
Lot Number: 5001573/1.1
Manufacture Date: 06/24/2025
Expiration Date: 06/23/2028
Country of Origin: United States

Tested Property	Specification	Analysis
Assay, %	Min. 99.5 %	99.67%
Color (APHA)	Max. 10	<5
Acidity, ueq/g	Max. 0.3 ueq/g	<0.3 ueq/g
Alkalinity, ueq/g	Max. 0.5 ueq/g	<0.5 ueq/g
Water, %	Max. 0.5	<0.3
Residue after evaporation, ppm	Max. 5 ppm	<1 ppm
Solubility in Water	To pass test	Passes
Chloride, ppm	Max. 0.2	<0.1
Phosphate, ppm	Max. 0.05	<0.05
Heavy metals (as Pb), ppb	Max. 10 ppb	<10 ppb
Arsenic & Antimony (as As), ppb	Max. 5	<5
Aluminium, ppb	Max. 50	<5
Barium, ppb	Max. 20	<5
Boron, ppb	Max. 10	<5
Cadmium, ppb	Max. 10	<1
Calcium, ppb	Max. 25	<10
Chromium, ppb	Max. 10	<1
Cobalt, ppb	Max. 10	<1
Copper, ppb	Max. 10	<10
Gallium, ppb	Max. 10	<1

Phone: 512-668-9918, Fax: 512-886-4008,
E-mail: customercare@laballey.com,
www.laballey.com,
12501 Pauls Valley Road, Suite A, Austin, Texas 78737,
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Germanium, ppb	Max. 10	<10
Gold, ppb	Max. 20	<5
Iron, ppb	Max. 20	<1
Lithium, ppb	Max. 10	<1
Magnesium, ppb	Max. 20	<1
Manganese, ppb	Max. 10	<1
Nickel, ppb	Max. 10	<5
Potassium, ppb	Max. 10	<1
Silicon, ppb	Max. 50	<1
Silver, ppb	Max. 10	<1
Sodium, ppb	Max. 100	<60
Strontium, ppb	Max. 10	<1
Tin, ppb	Max. 20	<10
Zinc, ppb	Max. 20	<1
Beryllium, ppb	Max. 10	<1
Bismuth, ppb	Max. 20	<1
Lead, ppb	Max. 10	<10
Molybdenum, ppb	Max. 10	<5
Niobium, ppb	Max. 50	<1
Tantalum, ppb	Max. 50	<5
Thallium, ppb	Max. 10	<1
Titanium, ppb	Max. 10	<1
Vanadium, ppb	Max. 10	<1
Zirconium, ppb	Max. 10	<1

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E-mail: customercare@laballey.com,
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12501 Pauls Valley Road, Suite A, Austin, Texas 78737,
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