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PVT. LTD.**

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Certificate of Analysis

Product	55245 - Acetone VLSI Semiconductor Grade, 99.5% - [67-64-1]
Batch No	5829453
Analysis Date	20-Nov-2023
Date of Manufacture	November 2023
Expiry Date/Re-Test Date	November 2028
Molecular Formula	C3H6O
Molecular Weight	58.08

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Particles > 0.5 µm	max. 250 P/ml	Passes
Assay (GC)	min. 99.5%	99.95%
Density (g/ml) @ 20°C	0.789-0.792	0.789
Refractive Index (20°C)	1.358-1.360	1.360
Boiling Range	55-56°C	55-56°C
Non Volatile Matter	max. 0.0005%	<0.0001%
Acidity (CH3COOH)	max. 0.002%	0.0006%
Free alkali (as NH3)	max. 0.0002%	0.00009%
Chloride (Cl)	max. 0.00001%	Passes
Sulphate (SO4)	max. 0.0001%	Passes
Substances reducing KMnO4	max. 0.0002%	Passes
Ethanol (GC)	max. 0.01%	Not detected
Methanol (GC)	max. 0.05%	0.034%
Aldehydes (as HCHO)	max. 0.001%	Passes
Water (KF)	max. 0.2%	0.01%
Bismuth (Bi)	max. 0.02 ppm	<0.005 ppm
Calcium (Ca)	max. 0.05ppm	<0.005 ppm
Cadmium (Cd)	max. 0.01ppm	<0.005 ppm
Cobalt (Co)	max. 0.01ppm	<0.005 ppm
Copper (Cu)	max. 0.01ppm	<0.005 ppm
Iron (Fe)	max. 0.05ppm	<0.005 ppm
Potassium (K)	max. 0.02ppm	<0.005 ppm
Magnesium (Mg)	max. 0.02ppm	<0.005 ppm
Manganese (Mn)	max. 0.01ppm	<0.005 ppm

FRM/82/11/2/55245 Rev No. 1 Date 11/02/2023

Prepared by **DRathod**

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099, India. ☎ +91-22-4268 5800

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Test Parameters	Standards	Actual Results
Molybdenum (Mo)	max. 0.01ppm	<0.005 ppm
Sodium (Na)	max. 0.05ppm	<0.005 ppm
Nickel (Ni)	max. 0.01ppm	<0.005 ppm
Lead (Pb)	max. 0.01ppm	<0.005 ppm
Antimony (Sb)	max. 0.01ppm	<0.005 ppm
Tin (Sn)	max. 0.02ppm	<0.005 ppm
Strontium (Sr)	max. 0.01ppm	<0.005 ppm
Titanium (Ti)	max. 0.01ppm	<0.005 ppm
Vanadium (V)	max. 0.01ppm	<0.005 ppm
Zinc (Zn)	max. 0.02ppm	<0.005 ppm
Silver (Ag)	max. 0.01ppm	<0.005 ppm
Aluminium (Al)	max. 0.05ppm	<0.005 ppm
Arsenic (As)	max. 0.01ppm	<0.005 ppm
Gold (Au)	max. 0.02ppm	<0.005 ppm
Boron (B)	max. 0.01ppm	<0.005 ppm
Beryllium (Be)	max. 0.01ppm	<0.005 ppm
Barium (Ba)	max. 0.02ppm	<0.005 ppm
Chromium (Cr)	max. 0.01ppm	<0.005 ppm
Gallium (Ga)	max. 0.01ppm	<0.005 ppm
Indium (In)	max. 0.01ppm	<0.005 ppm
Lithium (Li)	max. 0.01ppm	<0.005 ppm
Platinum (Pt)	max. 0.02ppm	<0.005 ppm
Thallium (Tl)	max. 0.01ppm	<0.005 ppm
Zirconium (Zr)	max. 0.01ppm	<0.005 ppm

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