

Xylenes  
CMOS  
(contains ethylbenzene)



Material No.: 9493-03  
Batch No.: 2212361049  
Manufactured Date: 2022-09-21  
Retest Date: 2027-09-20  
Revision No.: 0

## Certificate of Analysis

Test	Specification	Result
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Acidity (µeq/g)	≤ 0.3	< 0.1
Water (H <sub>2</sub> O)	≤ 0.02 %	0.02 %
Chloride (Cl)	≤ 3 ppm	< 3 ppm
Phosphate (PO <sub>4</sub> )	≤ 0.5 ppm	< 0.5 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	5.3 ppb
Trace Impurities – Chromium (Cr)	≤ 50 ppb	3 ppb
Trace Impurities – Cobalt (Co)	≤ 20 ppb	< 1 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 50 ppb	< 1 ppb
Trace Impurities – Germanium (Ge)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 50 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 1000.0 ppb	< 50.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	8.6 ppb
Trace Impurities – Lead (Pb)	≤ 100 ppb	< 10 ppb
Trace Impurities – Lithium (Li)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Potassium (K)	≤ 100 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 200.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 50 ppb	< 1 ppb

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Trace Impurities – Sodium (Na)	≤ 100.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 100 ppb	< 10 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	3.2 ppb
Particle Count – 1.0 μm and greater	≤ 10 par/ml	6 par/ml
Total of p-, m-, o-xylene, toluene and ethylbenzene (by GC)	≥ 99.5 %	100.0 %

For Microelectronic Use

Country of Origin: USA  
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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