

Xylenes  
CMOS  
(contains ethylbenzene)



Material No.: 9493-03  
Batch No.: 0000283154  
Manufactured Date: 2021/05/12  
Retest Date: 2026/05/11  
Revision No: 1

## Certificate of Analysis

Test	Specification	Result
Color (APHA)	<= 10	< 5
Residue after Evaporation	<= 5 ppm	< 2
Acidity (µeq/g)	<= 0.3	< 0.3
Water (H <sub>2</sub> O)	<= 0.02 %	0.01
Chloride (Cl)	<= 3 ppm	< 3
Phosphate (PO <sub>4</sub> )	<= 0.5 ppm	< 0.5
Trace Impurities – Aluminum (Al)	<= 50.0 ppb	< 5.0
Arsenic and Antimony (as As)	<= 10 ppb	< 10
Trace Impurities – Barium (Ba)	<= 20.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 20.0 ppb	< 1.0
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	5.1
Trace Impurities – Chromium (Cr)	<= 50.0 ppb	< 1.0
Trace Impurities – Cobalt (Co)	<= 20.0 ppb	< 1.0
Trace Impurities – Copper (Cu)	<= 10.0 ppb	< 1.0
Trace Impurities – Gallium (Ga)	<= 50.0 ppb	< 1.0
Trace Impurities – Germanium (Ge)	<= 100.0 ppb	< 10.0
Trace Impurities – Gold (Au)	<= 50.0 ppb	< 5.0
Heavy Metals (as Pb)	<= 1000 ppb	< 1000
Trace Impurities – Iron (Fe)	<= 50.0 ppb	< 1.0
Trace Impurities – Lead (Pb)	<= 100.0 ppb	< 10.0
Trace Impurities – Lithium (Li)	<= 50.0 ppb	< 1.0
Trace Impurities – Magnesium (Mg)	<= 20.0 ppb	< 1.0
Trace Impurities – Manganese (Mn)	<= 20.0 ppb	< 1.0

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Nickel (Ni)	<= 10.0 ppb	< 5.0
Trace Impurities – Potassium (K)	<= 100.0 ppb	< 10.0
Trace Impurities – Silicon (Si)	<= 200.0 ppb	< 10.0
Trace Impurities – Silver (Ag)	<= 50.0 ppb	< 1.0
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 20.0 ppb	< 1.0
Trace Impurities – Tin (Sn)	<= 100.0 ppb	< 1.0
Trace Impurities – Zinc (Zn)	<= 20.0 ppb	< 1.0
Particle Count – 1.0 µm and greater	<= 10 par/ml	1
Total of p-, m-, o-xylene, toluene and ethylbenzene (by GC)	>= 99.5 %	100.0

For Microelectronic Use

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



Jamie Ethier  
Vice President Global Quality