

Material No: 8066.1000 Batch No: 2409305857 Manufactured Date: 2024/04/02 Retest Date: 2029/04/02

## Certificate of Analysis

Test	Specification	Result
Assay (by GC)	>= 99 %	99.9
Boiling Range	<= 2.0°C	passes test
Color (APHA)	<= 10	< 10
Density (g/ml) at 25°C	0.800-0.804	0.800
Ethanol (C2H5OH) (by GC)	<= 0.05 %	< 0.05
Free Acid (as C2H5COOH)	<= 0.001 %	< 0.001
Methanol (by GC) (CH3OH)	<= 0.05 %	< 0.05
Recorded Boiling Point	97.2℃	passes test
Residue after Evaporation	<= 0.005 %	< 0.005
Substances Darkened by H2SO4	passes test	passes test
Substances Reducing KMnO4 (as O)	<= 0.0003 %	< 0.0003
Water (H2O)	<= 0.1 %	< 0.1
2-Propanol (C3H7OH) (by GC)	<= 0.05 %	< 0.05
Trace Impurities (in ppm)		
Aluminium (Al)	<= 0.5	< 0.002
Barium (Ba)	<= 0.1	< 0.002
Boron (B)	<= 0.02	< 0.005
Cadmium (Cd)	<= 0.05	< 0.005
Calcium (Ca)	<= 0.5	< 0.002
Chromium (Cr)	<= 0.02	< 0.002
Cobalt (Co)	<= 0.02	< 0.002
Copper (Cu)	<= 0.02	< 0.002
Iron (Fe)	<= 0.1	0.004
Lead (Pb)	<= 0.1	< 0.003
Magnesium (Mg)	<= 0.1	0.002

For questions on this Certificate of Analysis, please contact Customer Service at avantor.emea@avantorinc.com The information in this document is property of Avantor Performance Materials Poland S.A. Avantor Performance Materials Poland S.A. Sowińskiego 11 Gliwice 44-101 Poland Tel:+48 322392000

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Test	Specification	Result
Manganese (Mn)	<= 0.02	< 0.002
Nickel (Ni)	<= 0.02	< 0.002
Tin (Sn)	<= 0.1	< 0.010
Zinc (Zn)	<= 0.1	< 0.002

For Laboratory, Research or Manufacturing use.

Country of Origin:	UNITED STATES
Packaging Site:	Gliwice Mfg & DC

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Barbara Rykowska Quality Assurance Coordinator

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