

Material No.: 9526-26
Batch No.: 0000274970
Manufactured Date: 2020/11/24
Retest Date: 2025/11/23
Release Date: 2021/01/15
Revision No: 1

Certificate of Analysis

Meets B.P. Chemical Specifications, Meets E.P. Chemical Specifications, Meets J.P. Chemical Specifications, Meets U.S.P Requirements,
GMP Manufactured Product

Test	Specification	Result
USP – Identification	Passes Test	PT
USP – Congealing Temperature	$\geq 15.6\text{ }^{\circ}\text{C}$	16.6
USP – Nonvolatile Residue (USP), mg/20 mL	≤ 1.0	< 0.1
USP – Chloride (Cl)	Passes Test	PT
USP – Sulfate (SO ₄)	Passes Test	PT
USP – Readily Oxidizable Substances	Passes Test	PT
USP – Assay (CH ₃ COOH)	99.5 – 100.5 %	100.0
EP/BP – Identification A	Passes Test	PT
EP/BP – Identification B	Passes Test	PT
EP/BP – Appearance	Passes Test	PT
EP/BP – Freezing Point	$\geq 14.8\text{ }^{\circ}\text{C}$	16.6
EP/BP – Iron (Fe)	$\leq 5\text{ ppm}$	< 5
EP/BP – Chloride (Cl)	$\leq 25\text{ ppm}$	< 25
EP/BP – Sulfate (SO ₄)	$\leq 50\text{ ppm}$	< 50
EP/BP – Reducing Substances	Passes Test	PT
EP/BP – Residue on Evaporation	$\leq 0.01\text{ %}$	< 0.01
EP/BP – Assay (CH ₃ COOH)	99.0 – 100.5 %	100.2
JP – Assay (CH ₃ COOH)	99.0 – 101.0 %	100.2
JP – Identification	Passes Test	PT
JP – Congealing Point	$\geq 14.5\text{ }^{\circ}\text{C}$	16.6
JP – Nonvolatile Residue, mg/10 mL	≤ 1.0	0.1
JP – Chloride (Cl)	Passes Test	PT
JP – Sulfate (SO ₄)	Passes Test	PT

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
JP – Heavy Metals (as Pb)	<= 10 ppm	< 10
JP – Reducing Substances	Passes Test	PT

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

Residual Solvents: No Class 1, 2 or 3 residual solvents are used in or produced by the production process.

Preserve in tight containers, and store at room temperature

Elemental Impurities (USP 232, EP 5.20) – Information on elemental impurities for this product is available on the associated Product

Regulatory Data Sheet and elemental impurity profile report.

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC

Manufacturer: P0018002

Manufacturer source batch: 90132965



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

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700