

Material No: 6024.9025  
Batch No: 2417305834  
Manufactured Date: 2024/06/21  
Retest Date: 2029/06/21

## Certificate of Analysis

Meets ACS Specifications.

Test	Specification	Result
Assay	$\geq 85.0 \%$	85.6
Alkali phosphates	passes test	passes test
Chloride (Cl)	$\leq 1 \text{ ppm}$	$< 1$
Color (APHA)	$\leq 10$	$< 10$
Heavy Metals (as Pb)	$\leq 0.001 \%$	$< 0.001$
Insoluble Matter	$\leq 0.001 \%$	$< 0.001$
Nitrates (NO <sub>3</sub> )	$\leq 5 \text{ ppm}$	5
Phosphorous or Hypophosphorous Acid	passes test	passes test
Reducing Substances	passes test	passes test
Sulphate (SO <sub>4</sub> )	$\leq 0.003 \%$	$< 0.003$
Volatile Acids (as CH <sub>3</sub> COOH)	$\leq 0.001 \%$	$< 0.001$
Trace Impurities (in ppm)		
Aluminium (Al)	$\leq 10$	$< 0.5$
Antimony (Sb)	$\leq 4$	$< 0.5$
Arsenic (As)	$\leq 0.5$	$< 0.5$
Cadmium (Cd)	$\leq 5$	$< 0.5$
Calcium (Ca)	$\leq 20$	$< 0.5$
Copper (Cu)	$\leq 5$	$< 0.5$
Iron (Fe)	$\leq 10$	$< 0.5$
Lead (Pb)	$\leq 5$	$< 0.5$
Magnesium (Mg)	$\leq 10$	$< 0.5$
Manganese (Mn)	$\leq 0.5$	$< 0.5$
Nickel (Ni)	$\leq 5$	$< 0.5$
Potassium (K)	$\leq 5$	1.5

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Test	Specification	Result
Sodium (Na)	<= 10	1
Zinc (Zn)	<= 10	< 0.5

For Laboratory, Research or Manufacturing use.

Country of Origin: SWITZERLAND  
Packaging Site: Gliwice Mfg & DC



Barbara Rykowska  
Quality Assurance Coordinator

For questions on this Certificate of Analysis, please contact Customer Service at [avantor.emea@avantorinc.com](mailto:avantor.emea@avantorinc.com)  
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