

## Certificate of Analysis

Date of Testing: 2022-12-07 19:17:48  
Date of Next Testing: 2026-12-06 19:17:48  
Product Name: **PIPES Monosodium salt**  
CAS Number: 10010-67-0  
Specifications & Purity: 99%  
Lot #: L2203426  
SKU #: **P113024**  
**Analysis:** **132710**  
Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.57 ppm
Water by Karl Fischer	0-2 (%)	1.78 %
Purity (dry basis)	98.5-101.5 (%)	99.31 %
UV absorbance at 290nm (20%w/w in 0.1N NaOH)	0-0.1	0.10
Appearance (P113024)	white crystalline powder	white crystalline powder
Solubility in NaOH , clear colorless solution at 10g plus 40ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager