



CERTIFICATE OF ANALYSIS

Product Name:	Sodium lignosulfonate		Cas No: 8061-51-6
Parameters		Specification	Result
Description		Colorless clear liquid	Complies
Identity -HPLC		Positive	Complies
NMR		Coincident	Coincident
Purity		≥99.50%	99.89%
Polymerization Inhibitor (TBC or MEHQ)		200-300ppm	230ppm
Metal content Na 3ppb Ti 2.5ppb K 0.1ppb V <1ppb Ca 12ppb Ag <1ppb Mg 0.2ppb Cd <1ppb Al 0.5ppb Sn 60ppb Fe 12ppb Ba 0.5ppb Zn 8ppb Pb <1ppb Cu <1ppb Li 2.5ppb Mn 0.2ppb Co <1ppb Ni 0.3ppb As <1ppb Cr 0.3ppb			Complies
Conclusion	Conform with specification		
Storage	Store in cool & dry place, Keep away from strong light and heat.		
Shelf life	2 years when properly stored		

Quality Assurance Officer Corrector Analyst

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