



源盛化工  
Yuansheng chemical

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### Certificate of Analysis

Product Name: Sodium lignosulfonate (SF-1)		
Batch No.: 160126		Manufacturing Date: 2016/01/26
Test Items	Test Items	Test Results
Appearance	Yellow brown powder	Yellow brown powder
Lignosulfonate content	45% - 60%	58%
pH	9-10	9.3
Reducing substance	$\leq 8\%$	$< 4\%$
Water	$\leq 5\%$	$< 2.96\%$
Water insolubles	$< 4\%$	$< 3.37\%$
Reducing sugar	$\leq 4\%$	3.7%
Water reducing rate	$\geq 8\%$	9%
Conclusion: Comply with the standard of GB8076-2008		