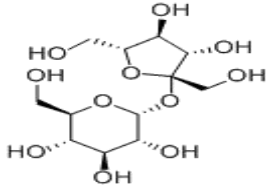


Career Henan Chemical Co

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CERTIFICATE OF ANALYSIS

Product Name:	Sucrose	CAS NO:	57-50-1
Molecular Formula:	C12H22O11	Constitutional Formula :	
Molecular Weight:	342.3		
Manufacture date:	2018.12.1		
Batch No.:	201812015		
Expiration date	2020.12.14		
Standard	CP2015		
Characters	Colourless crystal or white crystalline powder	Colourless crystal	
Solubility	Very soluble in water, slightly soluble in ethanol (95 percent),practically insoluble in anhydrous ethanol.	Conforms	
Specific optical rotation	+66.3°to +67°	+66.6°	
Identification	A.Infrared absorption spectrophotometry	Conforms	
	B.Chemical reaction	Conforms	
Colour of solution	The solution is not more intensely coloured than reference colour solutionY4	The solution is less intensely coloured than reference colour solutionY4	
Reducing sugars	Not more than 0.10 percent	Conforms	
Sulfates	Not more than 0.05 percent	Conforms	
calcium	Not more than 0.05 percent	Complies	
Heavy metals	Not more than 5ppm	Less than 5ppm	
Residue on ignition	Not more than 0.1 percent	Less than 0.1 per cent	
Microbiological purity	Bacterial count: not more than 1000 CFU/g	Less than 0.1 per cent	
	Fungi and mould : not more than 100 CFU/g	Less than 10 CFU/g	
E-coli: negative	E-coli: negative	Less than 10 CFU/g	
Conclusion	This batch of sucrose meets the specification of CP2015		

Analyst: 连俊昊

Supervisor: 李文

