

# JOSUN INTERNATIONAL LIMITED

## CERTIFICATE OF ANALYSIS

产品名称: Product name: Dextran 40	生产日期: Manuf.Date: 2017.04.12
批号: Batch No.:20170402	有效期: Expiry Date: 2019.04.11
数量 Quantity: 800kg	包装规格: Packing: 25kg/drum

Items		Specification	Results
Characters		A white or almost white powder	Applies
		Very soluble in water, very slightly soluble in ethanol.(96 per cent)	Applies
Identification	Specific optical rotation	+195° to +201°	+198°
	Infrared absorption	Should applies	Applies
	Molecular-mass distribution	Should applies	Applies
Appearance of solution		Clear and colorless	Applies
Acidity or alkalinity		Should applies	Applies
Nitrogen		≤0.011%	<0.011%
Heavy metals		≤0.0010%	<0.0010%
Residual solvent	Ethanol	≤0.5%	Applies
	Methanol	≤0.05%	Not detected
	Sum of solvents other than ethanol, methanol, propanol	≤0.5%(calculated as propanol)	
Molecular-mass distribution		Mw:35000-45000 M <sub>10</sub> : ≤110000 M <sub>90</sub> : ≥7000	35816 101013 7827
Loss on drying		≤7.0 %	5.4 %
Sulphated ash		≤0.3%	0.1%
Bacterial endotoxins		<10 IU/G	<5 IU/G
Microbial contaminations		TAMC: acceptance criterion 10 <sup>2</sup> CFU/g	<10 CFU/g

**Conclusion: The above certificate of analysis complies with EP8.0**

Reporter:

For and on behalf of  
**JOSUN INTERNATIONAL LIMITED**  
 九勝國際有限公司  
 Manager of Q.C. Depart.:

Authorized signature(s)