



JIANGSU KHONOR CHEMICALS CO.,LIMITED

CERTIFICATION OF ANALYSIS

NAME	D-Panthenol	QUANTITY	8.4MT
MFG. DATE	Apr. 16, 2025	BATCH NO.	250416A
EXP. DATE	Apr. 15, 2027	M.F.	C ₉ H ₁₉ NO ₄
CAS No.	81-13-0		

Index	Specification	Test result
Appearance	Clear, viscous,hygroscopic liquid. Crystallization may occur.	Complies
Solubility	Freely soluble in water ,in alcohol , in methanol ,and in propylene glycol ;soluble in chloroform and in ether ;slightly soluble in glycerin ;practically insoluble in heptane.	Complies
Assay (anhydrous basis) %	98.0-102.0	99.3
Water content ≤%	1.0	0.14
Specific optical rotation	+29.0° to +31.5°	30.5°
Aminopropanol ≤%	1.0	0.72
Residue on ignition ≤%	0.1	0.03
Refractive index 20℃	1.495 - 1.502	1.497

Analyst: Bing Liu

Approver: Kai Zhang