



山东八方化工科技有限公司

SHANDONG OCTAGON CHEMICALS LIMITED



CERTIFICATE OF ANALYSIS

Product name	<u>Hydroxypropyl-beta-cyclodextrin (Cas 128446-35-5)</u>		
Batch No.	HP2050809	Mfg. Date	2025.08.09
Rep. Date	2025.09.04	Retest Date	2028.08.08
Packaging	1000G/Bag/Carton	Batch Quantity	3544KG
Test Items	Standards: USP-NF		Results
Appearance	White or almost white, amorphous crystalline powder		Conforms
Solubility	Freely soluble in water and in propylene glycol		Conforms
Identification	IR: Should conform		Conforms
	Clarity of solution: Should conform		Conforms
Molar substitution	0.40~1.50		0.69
Betadex	NMT1.5%		0.34%
Propylene glycol	NMT2.5%		0.10%
Any other single impurity	NMT0.25%		ND
Total impurities excluding betadex and propylene glycol	NMT1.0%		ND
Propylene oxide	NMT0.0001%		0.000001%
Loss on drying	NMT10.0%		3.3%
Clarity of solution	1.0g/2ml water solution is clear and transparent		conforms
Conductivity	NMT200uS/cm		40uS/cm
Microbial limits	TAMC: NMT1000cfu/g TYMC: NMT100cfu/g		<10cfu/g <10cfu/g
Conclusion	It meets the requirements of The Standards Above.		
Storage	Preserve in well-closed, light resistant containers.		
Reporter: LI	Reviewed By: WEI		

山东八方化工科技有限公司
SHANDONG OCTAGON CHEMICALS LIMITED