



Unilong Industry Co., Ltd

Add: No.8 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone, Jinan City, Shandong Province, China
Contact: +86-15668417750 Website: www.unilongindustry.com

CERTIFICATE OF ANALYSIS

Product Name:	Cyclooctapentylose	Batch No.	JL20211025
CAS	17465-86-0	MF Date	OCT.25,2021
Packing	20kg/drum	Analysis Date	OCT.25,2021
Quantity	5MT	Expiry Date	OCT.24,2023
Item	Standard	Result	
Appearance	White or almost white, amorphous or crystalline powder.	White crystalline powder.	
Assay	98.0%~102.0%	99.8%	
Solubility	Freely soluble in water, practically insoluble in ethanol.	Conform	
Optical rotation	+174° ~+180°	+175°	
pH	5.0~8.0	6.4	
Clarity and color of solution	10mg/ml water solution is clear and colorless.	Conform	
Limit of Light-absorbing Substances	Between 230 and 350 nm, the absorbance is NMT 0.10, and between 350 and 750 nm, the absorbance is NMT 0.05.	Conform	
Reducing Sugars	≤0.5%	0.09%	
Residue on Ignition	≤0.1%	0.05%	
Alpha cyclodextrin	≤0.5%	Not detected	
Betadex cyclodextrin	≤0.5%	Not detected	
Sum of other impurities	≤0.5%	Not detected	



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Loss on drying	$\leq 11.0\%$	8.2%
Heavy metal	$\leq 10\text{ppm}$	$< 10\text{ppm}$
TAMC	$\leq 10^3\text{cfu/g}$	$< 10^3\text{cfu/g}$
TYMC	$\leq 10^3\text{cfu/g}$	$< 10^3\text{cfu/g}$
Escherichia coli	Absense	Not detected
Conclusion	Qualified	

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng

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