



# Unilong Industry Co., Ltd

Add: No. 2000 Shunhua Rd, High- Tech Zone , Jinan City, Shandong Province, China  
Contact: +86 - 15668417750 Website: [www.unilongmaterial.com](http://www.unilongmaterial.com)

## CERTIFICATE OF ANALYSIS

### Microcrystalline Cellulose PH101 USP40-NF35

BATCH NUMBER 20221202 TEST DATE Dec. 04, 2022  
QUANTITY 1000kg MANUFACTURE DATE Dec. 02, 2022  
PACKING 20kg/bag EXPIRY DATE Dec. 01, 2024

TEST ITEMS	SPECIFICATION	RESULTS
Appearance	White or almost white, fine or granular powder.	Conform
Identification A	Conform	Conform
Identification B	The degree of Polymerization $\leq 350$	208
Granulometry	Remains 60 mesh $\leq 1\%$ Remains 200 mesh $\leq 30\%$	0.1% 10.1%
Conductivity	$\leq 75 \mu\text{s}/\text{cm}$	32 $\mu\text{s}/\text{cm}$
PH value	5.0-7.5	6.3
Loss on drying	$\leq 7.0\%$	3.5%
Residue on ignition	$\leq 0.10\%$	0.01%
Water Soluble Substances	$\leq 0.25\%$	0.12%
Ether-Soluble Substances	$\leq 0.05\%$	0.02%
<b>Microbial limits</b>		
TAMC	$\leq 1000 \text{cfu}/\text{g}$	25 CFU/g
TYMC	$\leq 100 \text{cfu}/\text{g}$	<10 CFU/g
Escherichia coli	Absent	Absent
Salmonella species	Absent	Absent
Staphylococcus aureus	Absent	Absent
Pseudomonas aeruginosa	Absent	Absent
Conclusion:	Conform	

**Analyst:** Wen Qian

**Quality Assurance Officer:** Zhan Peng