纳维盈医化科技
NEWAY SINOPHC TECH

NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Item	Details
Product Name	Hydroxypropyl Methyl Cellulose (HPMC)
Product Number	HPMC-20260226
Batch Number	HPMC-SH2026022601
Brand	SIGALD
CAS Number	9004-65-3
MDL Number	MFCD00081431
Formula	$(C_6H_{10}O_5)_n \cdot (C_3H_7O)_x \cdot (CH_3O)_y$
Molecular Weight	Variable (10,000-1,000,000 Da)
Viscosity Grade	20000 mPa·s (2% aq. solution, 20℃)
Quality Release Date	26 FEB 2026

Test Results

Test	Specification (Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Free-flowing powder	Free-flowing powder	-	Visual Inspection
Moisture Content	≤ 5.0%	3.2%	%	Gravimetric Method (105℃, 2h)
Ash Content	≤ 1.0%	0.4%	%	Gravimetric Method (600℃, 3h)
Viscosity (2% aq. solution, 20℃)	18000-22000	20500	mPa·s	Brookfield Viscometry (LV Spindle)
Methoxyl Content (-OCH_3)	28.0-30.0%	29.2%	%	Gas Chromatography (GC)
Hydroxypropoxyl Content (-$OCH_2CH(OH)CH_3$)	7.0-12.0%	9.5%	%	Gas Chromatography (GC)
pH Value (2% aq. solution, 25℃)	5.0-8.0	6.8	-	Digital pH Meter
Heavy Metals (Pb)	≤ 5 ppm	1.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 1 ppm	0.3 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Loss on Ignition	≤ 5.0%	3.5%	%	Gravimetric Method (600℃)
Solubility	Dispersible in cold water	Pass	-	Visual Inspection (2% aq. solution)

Certification

This batch of Hydroxypropyl Methyl Cellulose (HPMC) has been tested in accordance with industrial standards and meets all specified requirements for viscosity, substituent content and purity. It is qualified for industrial and construction applications.

Issue Date: 26 FEB 2026