



Address: East of Daqing road, Hengshui City, Hebei province, China

TEL: 86 318 8077898 FAX: 86 318 8077892

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Technical data sheet of Nitrocellulose

Testing Items	Unit	Specification Nitrocellulose H1/2a	Method used
Viscosity(sec)	Sec	3.0-6.0	Falling Ball
Light Transmittance	%	≥ 95	Spectrophotometer
Nitrogen Content	%	11.5-12.2	Devarda's Alloy
Acidity	%	≤ 0.05	NaOH Titration
Ash Content	%	≤ 0.2	Nitrate Method
Explosive Point	°C	≥ 180	Oil Bath Heating
Heat Resistance	Min	≥ 10	Abel
IPA or EA content	%	$30 \pm 2\%$	
Water content		Clean in the mixed solvents	



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Testing Items	Unit	Specification Nitrocellulose H1/4a	Method used
Viscosity(sec)	Sec	2.3-2.8	Falling Ball
Light Transmittance	%	≥ 95	Spectrophotometer
Nitrogen Content	%	11.5-12.2	Devarda's Alloy
Acidity	%	≤ 0.05	NaOH Titration
Ash Content	%	≤ 0.2	Nitrate Method
Explosive Point	$^{\circ}\text{C}$	≥ 180	Oil Bath Heating
Heat Resistance	Min	≥ 10	Abel
IPA or EA content	%	$30 \pm 2\%$	
Water content		Clean in the mixed solvents	



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Testing Items	Unit	Specification Nitrocellulose H15	Method used
Viscosity(sec)	Sec	16-25	Falling Ball
Light Transmittance	%	≥95	Spectrophotometer
Nitrogen Content	%	11.5-12.2	Devarda's Alloy
Acidity	%	≤0.05	NaOH Titration
Ash Content	%	≤0.2	Nitrate Method
Explosive Point	°C	≥180	Oil Bath Heating
Heat Resistance	Min	≥10	Abel
IPA or EA content	%	30±2%	
Water content		Clean in the mixed solvents	



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Testing Items	Unit	Specification Nitrocellulose H60	Method used
Viscosity(sec)	Sec	51-70	Falling Ball
Light Transmittance	%	≥ 95	Spectrophotometer
Nitrogen Content	%	11.5-12.2	Devarda's Alloy
Acidity	%	≤ 0.05	NaOH Titration
Ash Content	%	≤ 0.2	Nitrate Method
Explosive Point	$^{\circ}\text{C}$	≥ 180	Oil Bath Heating
Heat Resistance	Min	≥ 10	Abel
IPA or EA content	%	$30 \pm 2\%$	
Water content		Clean in the mixed solvents	



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Testing Items	Unit	Specification Nitrocellulose H1/8	Method used
Viscosity(sec)	Sec	1.7-2.8	Falling Ball
Light Transmittance	%	≥ 95	Spectrophotometer
Nitrogen Content	%	11.5-12.2	Devarda's Alloy
Acidity	%	≤ 0.05	NaOH Titration
Ash Content	%	≤ 0.2	Nitrate Method
Explosive Point	$^{\circ}\text{C}$	≥ 180	Oil Bath Heating
Heat Resistance	Min	≥ 10	Abel
IPA or EA content	%	$30 \pm 2\%$	
Water content		Clean in the mixed solvents	