Name: Jinan Labthink Instruments Co., Ltd. Packaging Safety Testing Center

Registration No.: L6429

ADDRESS:

A: No.144, Wuyingshan Road, Jinan, Shandong, China INDEX OF ACCREDITED SIGNATORIES

No.	Address	Range	Туре	Update date
1	Δ.	Approved signatories (Chinese)	Initial assessment	2013-09-17
2	A	Approved signatories (English)	Initial assessment	2013-09-17
3	Δ.	Testing ability(Chinese)	Initial assessment	2013-09-17
4	A	Testing ability(English)	Initial assessment	2013-09-17

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CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT APPENDIX OF ACCREDITATION CERTIFICATE

(Registration No. CNAS L6429)

NAME: Jinan Labthink Instruments Co., Ltd. Packaging Safety Testing Center

ADDRESS: No. 144, Wuyingshan Road, Jinan, Shandong, China

Date of Issue:2013-09-17 Date of Expiry:2016-09-16

Date of Update: 2013-09-17

APPENDIX 1 ACCREDITED SIGNATORIES AND SCOPE

№	Name	Authorized Scope of Signature	Note
1	Zhou Weifang	Testing for Plastics Film and Related	
1	Zhou wenang	Products	
2	Haa waniina	Testing for Plastics Film and Related	
2	Hao wenjing	Products	

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CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT APPENDIX OF ACCREDITATION CERTIFICATE

(Registration No. CNAS L6429)

NAME: Jinan Labthink Instruments Co., Ltd. Packaging Safety Testing Center ADDRESS: No. 144, Wuyingshan Road, Jinan, Shandong, China

Accreditation Criteria: ISO/IEC 17025:2005 and relevant requirements of CNAS

Date of Issue:2013-09-17 Date of Expiry:2016-09-16

Date of Update: 2013-09-17

APPENDIX 2 ACCREDITED TESTING

		Item/Parameter		Code of	Title Code of		
№	Test Object	No	Item/ Parameter	Field	Title, Code of Standard or Method	Limitation	Note
	Plastics Film and		water vapor	0315	Test method for water vapor transmission of plastic film and sheet –Cup method GB/T 1037-1988 Determination of		
1	Related Products	1	transmissio n Rate	0315	water vapour transmission rate for plastic film and sheeting-Electrolytic detection sensor method GB/T 21529-2008		

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		Iten	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
		Tests for Water O315 Transmission YBB00092003 Sheet materials-Determina tion of water vapour O315 transmission rate- Gravimetric (dish) method ISO 2528-1995 lastics Film and Plastics-film and		0315	Transmission	Accredited only for Method 1 and Method 2	
	Diseties Film and						
1	Related Products			0315	sheeting-Determinat ion of water vapour transmission rate-Part 3:Electrolytic detection sensor method		
				0315	StandardTest Methods for Water Vapor Transmission of Materials ASTM E96/E96M-2012		

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№	Test Object	Iter №	n/Parameter Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
	Plastics Film and Related Products	2	Oxygen gas permeabilit 2 y characteristi cs	0315	Packaging material—Test method for oxygen gas permeability characteristics of plastic film and sheeting —Coulometric Sensor GB/T 19789-2005		
1				0315	Standard test method for oxygen gas transmission rate through plastic film and sheeting using a coulometric sensor ASTM D3985-2005(2010)e 1		
				0315	Standard Test Method for Determination of Oxygen Gas Transmission Rate, Permiability and Permeance at Controlled Relative Humidity Through Barrier Materials Using a Coulometric Detector ASTM F1927-2007		

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		Iten	n/Parameter	C-1f	T:41- C-4f		
№	Test Object	№	Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
					Plastics-Film and		
				0315	sheeting-Determinat		
					ion of gas		
					transmission-Differe		
					ntial-pressure		
					method		
					GB/T 1038-2000		
					Tests for Gas	Accredited	
				0315	Transmission	only for	
					YBB00082003	Method 1	
					Plastics-Film and		
					sheeting-determinati		
		3	gas-transmi ssion rate	0315	on of		
		3			gas-transmission		
	Plastics Film and				rate-Part1:Differenti		
1	Related Products				al-pressure methods		
	Related 1 foddets				ISO 15105.1-2007		
					Standard Test		
					Method for		
					Determining Gas		
					Permeability		
				0315	Characteristics of		
					Plastic Film and		
					Sheeting		
					ASTM D1434-1982		
					(2009) el		
					Plastics film and		
					sheeting-Determinat		
		4	Thickness	0315	ion of thickness by		
					mechanical scanning		
					GB/T 6672-2001		

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		Iten	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
				0315	Plastics-Film and sheeting-Determinat ion of thickness by mechanical scanning ISO 4593-1993		
1	Plastics Film and Related Products	4	Thickness	0315	Standard Test Methods for Thickness of Solid Electrical Insulation ASTM D374-1999(2005)		
		5	Tensile Properties	0315	Plastics-Determinati on of Tensile Proterties-Part 1: General Principles GB/T 1040.1-2006 Plastics - Determination of Tensile Properties - Part 3: Test Conditions for Films and Sheets GB/T 1040.3-2006	Accredited only for tensile strengthand nominal tensile break strain	

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		Iten	n/Parameter	Code of	Title, Code of		
No	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
		5	Tensile Properties	0315	Plastics-Determinati on of Tensile Proterties-Part 1: General Principles ISO 527.1-2012 Plastics - Determination of Tensile Properties - Part 3: Test Conditions for Films and Sheets ISO 527.3-1995 Tests for	Accredited only for tensile strengthand nominal tensile break strain	
1	Plastics Film and Related Products			0315	Determination of tensile proertics YBB00112003		
				0315	Standard Test Method for Tensile Properties of Thin Plastic Sheeting ASTM D882-2012	Accredited only for tensile strengthand nominal tensile break strain	
		6	Tear resistance	0315	Plastics-Film and sheeting-Determinat ion of tear resistance-Trouser tear method (Elmendor) GB/T 16578.2-2009		

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		Iten	m/Parameter	Code of	Title, Code of		
No	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
					90 °Tear resistance		
				0315	of plastic film		
				0313	QB/T		
					1130–1991(2009)		
					Plastics-Film and		
					sheeting-Determinat		
					ion of tear		
				0315	resistance-Trouser		
					tear method		
					(Elmendor)		
					ISO 6383.2-1983		
			Tear		Standard Test		
		6	resistance	0315	Method for Tear		
					Resistance (Graves		
	Plastics Film and				Tear) of Plastic Film		
1	Related Products				and Sheeting		
	Related Froducts				ASTM D1004-2013		
					Standard Test		
					Method for		
					Propagation Tear		
				0315	Resistance of Plastic		
				0313	Film and Thin		
					Sheeting by		
					Pendulum Method		
					ASTM D1922-2009		
					Plastics film and		
					sheeting—Determin		
		7	Coefficients	0315	ation of the		
		7	of friction	0515	coefficients of		
					friction		
					GB/T 10006-1988		

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		Iter	m/Parameter	Code of	Title, Code of		
No	Test Object	No	Item/ Parameter	Field	Standard or Method	Limitation	Note
					Plastics-Film and sheeting-Determinat		
					ion of the		
				0315	coefficients of		
					friction		
					ISO 8295-1995		
			Coefficients		Standard Test		
		7	of friction		Method for Static		
			of friction		and Kinetic		
				0315	Coefficients of		
					Friction of Plastic		
					Film and Sheeting		
					ASTM		
					D1894-2011el		
	Plastics Film and				Test method for peel		
1	Related Products			0315	force of flexible		
	110100011				laminated plastics		
					GB/T 8808-1988		
					Test for peel		
				0315	strength		
					YBB00102003		
			Peeling		Standard Test		
		8			Method for		
			strength		Comparison of Bond		
					Strength or Ply		
				0215	Adhesion of Similar		
				0315	Laminates Made		
					from Flexible		
					Materials		
					ASTM F904-1998		
					(2008)		

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№	Test Object	Iter №	n/Parameter Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
	Plastics Film and Related Products	9 st	Determinati on of shrinkage stress and contraction stress	0315	Plastics-Heatshrinka ble films of polyethylene,ethylen e copolymers and their mixtures-Determinat ion of shrinkage stress and contraction stress ISO 14616-1997 Standard Test		
1				0315	Method for Unrestrained Linear Thermal Shrinkage of Plastic Film and Sheeting ASTM D2732-2008		
				0315	Testing of plastic films: determination of the shrinking stress DIN 53369-1976		
		10	Sealed Strength	0315	Test method for thermal synthesis strength of plastic film packaging bags QB/T 2358-1998(2009)		
				0315	Tests for welding stength YBB00122003		

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Ne Parameter Sealed Strength 10 Sealed Strength Sealed Strength Sealed Strength ASTM F2029-2008 Plastics Film and Related Products Impact Resistance 11 of Plastic Film by the Free-Falling 10 Sealed Strength ASTM F2029-2008 Plastics—Film and sheeting—Determination of impact resistance—Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting—Determination of impact resistance—Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting—Determination of impact resistance—Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM D1709-2009	No	Test Object	Item/Parameter		Code of	Title, Code of	Limitation	Note
Plastics Film and Related Products Plastics Film and Related Products Impact Resistance 11 Resistance 11 Free-Falling 10 Sealed Strength	145	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	11010
Plastics Film and Related Products Impact Resistance of Plastic Film by the Free-Falling Impact Resistance of Plastic Film by the Free-Falling Dart Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM Heatseals for Determination of Heatsealability of Flexible Webs as Measured by Seal Strength ASTM F2029-2008 Plastics Film and sheeting Determination of impact resistance Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics Film and sheeting Determination of impact resistance Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						Standard Practices		
Plastics Film and Related Products Plastics Film and Related Products Impact Resistance 11 of Plastic Film by the Free-Falling Impact Resistance 11 of Plastic Film by the Free-Falling Impact Resistance 11 of Plastic Film by the Free-Falling Plastics Film and Sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and Sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						for Making		
Plastics Film and Related Products Plastics Film and Related Products Impact Resistance 11 of Plastic Film by the Free-Falling Free-Falling Plastics Film and Sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						Heatseals for		
Plastics Film and Related Products Plastics Film and Related Products Impact Resistance 11 of Plastic Film by the Free-Falling Impact Resistance 0315 Impact Resistance 03				Sealed		Determination of		
Plastics Film and Related Products Impact Resistance 11 of Plastic Film by the Free-Falling Flexible Webs as Measured by Seal Strength ASTM F2029-2008 Plastics Film and sheeting — Determination of impact resistance — Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting — Determination of impact resistance — Free falling dart method-Part 1:Staircase method Iso 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM			10		0315	Heatsealability of		
Strength ASTM F2029-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM				8				
ASTM F2029-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						Measured by Seal		
Plastics Film and sheeting — Determination of impact resistance — Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Impact Resistance of Plastic Film by the Free-Falling O315 Impact Resistance of Plastic Film by the Free-Falling O315 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						Strength		
Plastics Film and Related Products Impact Resistance of Plastic Film by the Free-Falling Pree-Falling Impact Resistance of Plastic Film by the Free-Falling Sheeting — Determination of impact resistance— Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						ASTM F2029-2008		
Plastics Film and Related Products Impact Resistance of Plastic Film by the Free-Falling Resistance of Plastic Film by the Free-Falling Resistance of Plastic Film by the Free-Falling O315 Determination of impact resistance— Free falling dart method-Part 1:Staircase method GB/T 9639.1-2008 Plastics—Film and sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						Plastics—Film and		
Plastics Film and Related Products Impact Resistance 11 of Plastic Film by the Free-Falling Resistance 11 of Plastic Film by the Free-Falling Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Standard Test Method ASTM impact resistance— Free falling dart sheeting— Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988						sheeting—		
Plastics Film and Related Products Impact Resistance of Plastic Film by the Free-Falling Tree-Falling Plastics Film and Related Products Impact Resistance of Plastic Film by the Free-Falling O315 Free falling dart method-Part 1:Staircase method sheeting — Determination of impact resistance — Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic O315 Film by the Free-Falling Dart Method ASTM					0315	Determination of		
Plastics Film and Related Products Impact Resistance of Plastic Film by the Free-Falling Tree-Falling Impact Resistance of Plastic Film by the Free-Falling Impact Resistance of Plastic Film by the Free-Falling Impact Resistance of Plastic Film by the Free-Falling O315 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						impact resistance—		
Plastics Film and Related Products Impact Resistance 111 of Plastic Film by the Free-Falling Resistance 2						Free falling dart		
Related Products Impact Resistance of Plastic Film by the Free-Falling O315 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling O315 Film by the Free-Falling O315 Methods for Impact Resistance of Plastic Film by the Free-Falling O315 Film by the Free-Falling O315 Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM						method-Part		
Related Products Impact Resistance 11 of Plastic Film by the Free-Falling O315 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling O315 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method ASTM		Plastics Film and				1:Staircase method		
Impact Resistance of Plastic Film by the Free-Falling O315 Sheeting — Determination of impact resistance — Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic O315 Film by the Free-Falling Dart Method ASTM	1	Related Products				GB/T 9639.1-2008		
Resistance of Plastic Film by the Free-Falling Resistance O315 Determination of impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic O315 Film by the Free-Falling Dart Method ASTM						Plastics—Film and		
of Plastic Film by the Free-Falling 11 of Plastic Film by the Free-Falling 0315 impact resistance— Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM				Impact		sheeting—		
Film by the Free-Falling O315 Film by the Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic O315 Film by the Free-Falling Dart Method ASTM				Resistance		Determination of		
Film by the Free-Falling Film by the Free-Falling Free falling dart method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM			11	of Plastic	0.2.1.2	impact resistance—		
Free-Falling method-Part 1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic 7315 Film by the Free-Falling Dart Method ASTM				Film by the	0315	_		
1:Staircase method ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM				Free-Falling		_		
ISO 7765.1-1988 Standard Test Methods for Impact Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM								
Standard Test Methods for Impact Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM								
Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM						Standard Test		
Resistance of Plastic 0315 Film by the Free-Falling Dart Method ASTM								
Free-Falling Dart Method ASTM								
Free-Falling Dart Method ASTM					0315	Film by the		
Method ASTM						-		
						D1709-2009		

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		Iter	m/Parameter	Code of	Title Code of		
№	Test Object	№	Item/ Parameter	Field	Title, Code of Standard or Method	Limitation	Note
		12	Impact resistance of plastic films	0315	Test method for pendulum impact resistance of plastic films GB 8809-1988		
1	Plastics Film and Related Products	13	Flex Durability	0315	Standard Test Method for Flex Durability of Flexible Barrier Materials ASTM F392/F 392M-2011		
		14	Luminous Transmittan ce/Haze	0315	Determination of the luminous transmittance and haze of transparent plastics GB/T 2410-2008		
2	Polyethylene blown covering film for agriculture		Part of Items	0315	Polyethylene blown covering film for agriculture GB 4455-2006	Accredited only for thickness, tensile strength, 90 degree tear resistance,tra nsmissivity and haze	

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		Iten	m/Parameter	Codo of	Title Code of		
№	Test Object	No	Item/	Code of Field	Title, Code of Standard or Method	Limitation	Note
		- , -	Parameter			Accredited	
						only for	
						thickness,	
						nominal	
						tensile break	
						strain, falling	
						dart impact,	
					Polyethylene blow	coefficient of	
3	Polyethylene blow		Part of	0315	film for packaging	friction,	
	film for packaging		Items		applications	transmissivity	
					GB/T 4456-2008	and haze, heat	
						seal strength,	
						water vapor	
						transmission	
						volume and	
						gas	
						transmission	
						volume	
						Accredited	
						only for	
						thickness,tens	
						ile strength,	
						90 degree tear	
						resistance,dev	
	Plastic cling wrap				Plastic cling wrap	iation of gas	
4	film for keeping		Part of	0315	film for keeping	transmission	
4	fresh of food		Items	0313	fresh of food	rate and	
	110311 01 1000				GB 10457-2009	deviation of	
						water vapor	
						transmission,t	
						ransmissivity	
						and	
						haze,autohens	
						ion	

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		Iten	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
5	Heat shrinkable polyethylene film		Part of Items	0315	Heat shrinkable polyethylene film GB/T 13519-1992	Accredited only for thickness,tens ile strength, tear resistance,shrinkage and shrinkage ratio	
6	Non-stretching polyethylene film & non-stretching polypropylene film		Part of Items	0315	Non-stretching polyethylene film & non-stretching polypropylene film QB/T 1125-2000	Accredited only for thickness deviation, tensile strength, haze and coefficient of friction	
7	Polyethylene blown film for packaging of liquid		Part of Items	0315	Polyethylene blown film for packaging of liquid QB 1231-1991(2009)	Accredited only for thickness, physical and mechanical properties	

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		Item/	Parameter	Code of	Title, Code of		
№	Test Object	No	Item/ Parameter	Field	Standard or Method	Limitation	Note
8	Biaxiality oriented Polypropylene film		Part of Items	0315	Biaxiality oriented Polypropylene (BOPP) film for general use GB/T 10003-2008 Plastics-Film and sheeting-Biaxially oriented polypropylene (PP) films ISO 17555-2003	Accredited only for maximum and average thickness deviation, nominal tensile break strain,heat seal strength,haze, water vapor transmission volume	
9	Biaxial orientation polypropylene pearl films		Part of Items	0315	Biaxial orientation polypropylene pearl films BB/T 0002-2008	Accredited only for thickness, tensile strength, coeff icient of friction, heat seal strength, trans missivity and water vapor transmission rate	

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No	Test Object	No	Parameter Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
10	Biauxially oriented polyester film for package		Part of Items	0315	Biauxially oriented polyester film for package GB/T 16958-2008	Accredited only for thickness, tensile strength, , haze, coefficient of friction, oxygen and water vapor permeability coefficient	
			Part of Items	0315	Plastics-Film and sheeting-Biaxially oriented poly(ethyleneterepht halate)(PET) films ISO 15988:-2003		
11	Polyvinylidene chloride (PVDC) cling wrap film for food-packaging		Part of Items	0315	Polyvinylidene chloride (PVDC) cling wrap film for food-packaging GB/T 24334-2009	Accredited only for thickness, tensile strength,haze, transmissivity , oxygen transmission volume and water vapor transmission volume	

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No	Test Object	Item/Parameter No Item/ Paramete	Code of Field	Title, Code of Standard or Method	Limitation	Note
12	Polyvinylidence chloride (PVDC) flat-film for food-packaging	Part of Items	0315	Polyvinylidence chloride (PVDC) flat-film for food-packaging GB/T 17030-2008	Accredited only for thickness, tear resistance, tensile strength, water transmission volume and oxygen transmission volume	
13	Polyvinylidene chloride (PVDC) coated film	Part of Items	0315	Polyvinylidene chloride (PVDC) coated film BB/T 0012-2008	Accredited only for tensile strength, elongation rate, coefficient of friction,heat seal strength, oxygen transmission rate and water vapor transmission rate	
14	Heat-shrinkable polyolefine films for packaging materials	Part of Items	0315	Heat-shrinkable polyolefine films for packaging materials GB/T 19787-2005	Accredited only for thickness,phy sical and mechanical properties	

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Should there be any inconsistencies between Chinese and English versions of the scope of accreditation, the Chinese version shall prevail in that the English version is provided by the conformity assessment body and is for reference only.

		Iten	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
15	Biaxially oriented polyamide (nylon) film		Part of Items	0315	Biaxially oriented polyamide (nylon) film GB/T 20218-2006	Accredited only for thickness, tensile strength, haze, tear resistance, coefficient of friction and oxygen transmission	
			Part of Items	0315	Plastics-Film and sheeting-Biaxially oriented polyamide(nyoln) films ISO 15987-2003	oxygen transmission volume	
16	Plastic packaging film deposited with aluminium		Part of Items	0315	Plastic packaging film deposited with aluminium BB/T 0030-2004	Accredited only for thickness, tensile strength, water vapor transmission volume and oxygen transmission volume	

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		Iten	n/Parameter	Codo of	Title Code of		
№	Test Object	№	Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
						Accredited	
						only for	
						thickness,	
						peel force,	
						heat seal	
						strength,	
						tensile break	
						force,	
						nominal	
						tensile strain,	
						90 degree tear	
	Plastic laminated				Plastic laminated	force,	
	flims and pouches				flims and pouches	pendulum	
17	for packaging-Dry		Part of	0315	for packaging-Dry	impact	
1,7	lamination and		Items	0313	lamination and	resistance,	
	extrusion				extrusion lamination	water vapor	
	lamination				GB/T 10004 -2008	transmission	
						volume,	
						oxygen	
						transmission	
						volume,	
						coefficient of	
						friction,	
						puncture	
						strength,	
						transmissivity	
						and haze	

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		Iten	n/Parameter	Code of	Title, Code of		
Nº	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
18	laminated films and pouches for packaging		Parameter Part of Items	0315	General rules of laminated films and pouches for packaging GB/T 21302-2007	Accredited only for thickness, tensile break force, , heat seal strength, peel force, pendulum impact resistance, water vapor transmission property, oxygen transmission property and coefficient of friction	
19	Laminated films and pouches for preserved vegetable packaging		Part of Items	0315	Laminated films and pouches for preserved vegetable packaging QB 2197-1996(2009)	Accredited only for thickness, tensile break force, , peel force, heat seal strength, oxygen transmission volume and water vapor transmission volume	

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		Iten	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
20	Multi-layer co-extrusion barrier film for packaging		Part of Items	0315	General rules of multi-layer co-extrusion barrier film for packaging BB/T 0041-2007	Accredited only for thickness, tensile break force, heat seal strength, tearing strength, impact mass of falling dart, peel strength,trans missivity, haze, oxygen transmission rate and water vapor transmission volume	
21	Plastics laminated films and bags using for packaging of liquid food		Part of Items	0315	Plastics laminated films and bags using for packaging of liquid food GB 19741-2005	Accredited only for heat seal strength, peel strength of inner plastic film and oxygen transmission rate	

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		Iten	n/Parameter	Cadaaf	Title Code of		
№	Test Object	№	Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
22	Biaxiality oriented nylon (BOPA) low density polyethylene (LDPE) composite film		Part of Items	0315	Biaxiality oriented nylon (BOPA) low density polyethylene (LDPE) composite film QB/T 1871-1993	Accredited only for thickness, tensile break force, , 90 degree tearing force, peel force of layers, peel force of sealing edge(pouches), pendulum impact resistance, oxygen transmission volume and water vapor transmission volume	
23	Paper based laminated material using for aseptic packaging of liquid food		Part of Items	0315	Paper based laminated material using for aseptic packaging of liquid food GB 18192-2008	Accredited only for tensile break force, peel strength of inner plastic films, heat seal strength and oxygen transmission rate	

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		Iten	m/Parameter	Code of	Title, Code of		
No	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
24	Laminated bags using for aseptic package of liquid food		Part of Items	0315	Laminated bags using for aseptic package of liquid food GB 18454-2001	Accredited only for thickness, oxygen transmission rate, tensile strength, , peel force, heat seal strength and luminous transmittance	
25	Paper based laminated material for fresh - keeping package of liquid food		Part of Items	0315	Paper based laminated material for fresh-keeping packaging of liquid food GB/T 18706-2008	Accredited only for tensile break force, heat seal strength, peel strength of inner plastic films and oxygen transmission rate	

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No. Test Object No. Parameter Field Standard or Method Accredited only for thickness, tensile break force, heat seal strength, impact mass of falling dart, oxygen transmission rate and water vapor transmission package Part of litems Date of li			Iten	n/Parameter	Code of	Title, Code of		
Co-extrusion films and pouches for liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of litems Part of liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of litems Part of liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of litems Accredited only for thickness, heat seal strength and falling dart	No	Test Object	№				Limitation	Note
Co-extrusion films and pouches for liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of litems Part o				Parameter			∆ ccredited	
Co-extrusion films and pouches for liquid milk for package Part of liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of litems Part								
Co-extrusion films and pouches for liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of litems Part o							-	
Co-extrusion films and pouches for liquid milk for package Stretch wrap films 7 for transport packaging Part of Items Part of liquid milk for packaging Part of Items								
Co-extrusion films and pouches for liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of Items Part o								
and pouches for liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of Items O315 Part of Items Part of Items O315 Part of Items O316 Part of Items O317 Part of Items O318 Part of Items O318 Part of Items O319 Part of Items O319 Part of Items O315 Part of Items O315 Part of Items O316 Part of Items O317 Part of Items O318 Part of Items O318 Part of Items O319 P		Co averagion films				Co-extrusion films	·	
liquid milk for package BB/T 0052-2009 Stretch wrap films for transport packaging Part of Items O315 Part of Items Part of Items O315 Part of Items Part of Items O315 Part of Items O315 Part of Items Part of Items O315 Part of Items O316 Part of Items O317 Part of Items O318 Part of Items O318 Part of Items O319 Part of Items O319 Part of Items O315 Part of Items O315 Part of Items O316 Part of Items O317 Part of Items O318 Part of Items O318 Part of Items O319 Part of Items O319 Part of Items				Dont of		and pouches for		
package BB/T 0052-2009 dart, oxygen transmission rate and water vapor transmission rate and water vapor transmission rate Stretch wrap films for transport packaging Part of Items Part of Items Part of Items O315 Stretch wrap films for transport packaging BB/T 0024-2004 Plastic Shopping Bags Part of Items Part of Items O315 Plastic Shopping Bags GB/T 21661-2008 dart, oxygen transmission rate dart, oxygen transmission rate and water vapor transmission rate Accredited only for thickness, heat seal strength and falling dart	26	_				liquid milk for	_	
Stretch wrap films for transport packaging Part of Items Part of		_		Items		package		
Stretch wrap films for transport packaging Part of Items Accredited Only for thickness, heat seal strength and falling dart		package				BB/T 0052-2009		
Stretch wrap films for transport packaging Part of Items O315 Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags Part of Items Part of Items Part of Items O315 Plastic Shopping Bags GB/T 21661-2008 Page GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping transmission packaging BB/T O024-2004 Plastic Shopping thickness, heat seal strength and falling dart								
Stretch wrap films 27 for transport packaging Part of Items Plastic Shopping Bags GB/T Plastic Shopping Bags GB/T Accredited Only for thickness, heat seal strength and falling dart								
Stretch wrap films for transport packaging Part of Items Plastic Shopping Bags GB/T Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags GB/T Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping BB/T O024-200							_	
Stretch wrap films for transport packaging Part of Items Part of Items O315 Plastic Shopping Bags Part of Items O315 Plastic Shopping Bags GB/T 21661-2008 Accredited only for thickness, lens ile break force, luminous transmissivity , haze and water vapor transmission rate Accredited only for thickness, heat seal strength and falling dart								
Stretch wrap films for transport packaging Part of Items								
Stretch wrap films for transport packaging Part of Items Part of Items Part of Items O315 Stretch wrap films for transport packaging BB/T O024-2004 Plastic Shopping Bags Part of Items Part of Items O315 Part of Items O315 Part of Items O315 Plastic Shopping Bags GB/T 21661-2008 thickness, tens ile break force, luminous transmissivity , haze and water vapor transmission rate Accredited only for thickness, heat seal strength and falling dart								
Stretch wrap films for transport packaging Part of Items Part of Items Part of Items O315 Stretch wrap films for transport packaging BB/T O024-2004 Items Part of Items O315 Part of Items Part of Items O315 Part of Items Part of Items O315 Plastic Shopping Bags GB/T 21661-2008 Items Items							only for	
Stretch wrap films for transport packaging Part of Items Part of Items Part of Items Stretch wrap films for transport packaging BB/T 0024-2004 Items Part of Items P							thickness,tens	
Stretch wrap films for transport packaging Part of Items O315 For transport packaging BB/T O024-2004 Plastic Shopping Bags Part of Items Part of Items O315 For transport packaging BB/T O024-2004 For transport packaging BB/T O024-2004 Accredited only for thickness, heat seal strength and falling dart						Stretch wrap films	ile break	
27 for transport packaging Items O315 Dackaging packaging packa		Stretch wrap films		Part of			force,	
Plastic Shopping Bags Part of Items Plastic Shopping Items Phact is shopping Items Accredited Item	27	for transport			0315	-	luminous	
Plastic Shopping Bags Part of Items Part of 28 Plastic Shopping Bags Part of Items Part of Items Part of Items O315 Plastic Shopping Bags GB/T 21661-2008 Plastic Shopping thickness, heat seal strength and falling dart		packaging		Tems			transmissivity	
Plastic Shopping Bags Part of Items Part of 28 Part of Accredited only for Plastic Shopping Bags GB/T 21661-2008 Strength and falling dart						0024-2004	, haze and	
Plastic Shopping Bags Part of Items Part of 28 Part of Accredited only for Plastic Shopping Bags GB/T 21661-2008 Strength and falling dart							water vapor	
Plastic Shopping Bags Part of Items Part of 28 Part of Items Part of Accredited only for Plastic Shopping Bags GB/T 21661-2008 Strength and falling dart							transmission	
Plastic Shopping Bags Part of Items Part of 28 Part of 21661-2008 Plastic Shopping thickness, heat seal strength and falling dart							rate	
Plastic Shopping Bags Part of Items Part of 28 Plastic Shopping Bags GB/T 21661-2008 thickness, heat seal strength and falling dart							Accredited	
Plastic Shopping Bags Part of Items O315 Bags GB/T 21661-2008 heat seal strength and falling dart							only for	
Bags Items O315 Bags GB/T 21661-2008 heat seal strength and falling dart		Dlagtic Charrier		Dont of		Plastic Shopping	thickness,	
21661-2008 strength and falling dart	28				0315	Bags GB/T	heat seal	
		Bags		items		21661-2008	strength and	
impact							falling dart	
, , , , , , , , , , , , , , , , , , , ,							impact	

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		Iter	m/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
29	Plastic commodity bags		Part of Items	0315	Plastic commodity bags GB/T 24984-2010	Accredited only for thickness, heat seal strength, falling dart impact, deviation of gas transmission rate and deviation of water vapor transmission	
30	Laser holographic anti-counterfeiting biaxially oriented polypropylene film		Part of Items	0315	Laser holographic anti-counterfeiting biaxially oriented polypropylene film GB/T 26708-2011	rate Accredited only for maximum and average thickness deviation, tensile strength, nominal tensile break strain, haze, dynamic coefficient of friction and heat seal strength	

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		Iter	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
31	The grip bag		Part of Items	0315	The grip bag BB/T 0014-2011	Accredited only for thickness, opening force of zippers, heat seal strength, tensile break force, and peeling force	
32	Composite film for medicine packaging		Part of Items	0315	Composite film for medicine packaging YY 0236-1996	Accredited only for thickness, physical property and mechanical property	
33	LDPE Infusion Bottles		Part of Items	0315	LDPE Infusion Bottles YBB00012002	Accredited only for puncture force, impermeabilit y of punctured section and hanging force	

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		Iten	n/Parameter	Code of	Title, Code of		
No	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
34	PP infusion Bottles		Part of Items	0315	PP infusion Bottles YBB00022002	Accredited only for puncture force, impermeabilit y of punctured section and hanging force	
35	LDPE films and pouches for medical Packaging		Part of Items	0315	LDPE films and pouches for medical Packaging YBB00072005	Accredited only for barrier property and heat seal strength	

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		Iten	n/Parameter	Code of	Title Code of		
№	Test Object	№	Item/ Parameter	Field	Title, Code of Standard or Method	Limitation	Note
						Accredited	
						only for	
						puncture	
						force, retain	
						ability of	
						puncture	
						outfit,	
						impermeabilit	
						y of inserted	
						point, seal	
						performance	
	2 1				2 1 Cti	of medicine	
	3-layer		Part of		3-layer Co-extrusion	injected point,	
36	Co-extrusion			0315	Films and Bags	hanging	
	Films and Bags Used for Infusion		Items		Used for Infusion	force, water	
	Used for infusion				YBB00102005	vapor	
						transmission	
						volume(film,	
						Method 1),	
						oxygen	
						transmission	
						volume,	
						nitrogen	
						transmission	
						volume and	
						heat seal	
						strength	

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No	Test Object	Item/Param No Iter Param	Code of Field	f Title, Code of Standard or Method	Limitation	Note
37	5-layer Coextrusion Films (I) and Bags Used for Infusion	Part	0315	5-layer Coextrusion Films (I) and Bags Used for Infusion YBB00112005	Accredited only for puncture force, retain ability of puncture outfit, impermeabilit y of inserted point, seal performance of medicine injected point, hanging force, water vapor transmission volume(film, Method 1), oxygen transmission volume, nitrogen transmission volume and heat seal strength	
38	General Rule for Laminated Films and Pouches for Pharmaceutical Packaging	Part Iter	0315	General Rule for Laminated Films and Pouches for Pharmaceutical Packaging YBB00132002	Accredited only for barrier property and mechanical property	

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		Iten	n/Parameter	Code of	Title, Code of		
№	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
39	Laminated Films and Pouches(PET/AL/ PE) for Pharmaceutical Packaging		Part of Items	0315	Laminated Films and Pouches(PET/AL/P E) for Pharmaceutical Packaging YBB00172002	Accredited only for barrier property, mechanical property and heat seal strength	
40	Laminated Films and Pouches(PET /LDPE) for Pharmaceutical Packaging		Part of Items	0315	Laminated Films and Pouches(PET /LDPE) for Pharmaceutical Packaging YBB00182002	Accredited only for barrier property, mechanical property and heat seal strength	
41	AL/PE cold-formed foil for Solid Pharmaceutical Packaging		Part of Items	0315	AL/PE cold-formed foil for Solid Pharmaceutical Packaging YBB00182004	Accredited only for water vapor transmission volume, oxygen transmission volume, peel strength and heat seal strength	

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		Iten	n/Parameter	C-1f	T:41- C-4f		
№	Test Object	№	Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
42	Laminated Films and Pouches (BOPP/LDPE) for Pharmaceutical Packaging		Part of Items	0315	Laminated Films and Pouches (BOPP/LDPE) for Pharmaceutical Packaging YBB00192002	Accredited only for barrier property, mechanical property and heat seal strength	
43	Laminated Films and Pouches (BOPP/VMCPP) for Pharmaceutical Packaging		Part of Items	0315	Laminated Films and Pouches (BOPP/VMCPP) for Pharmaceutical Packaging YBB00192004	Accredited only for water vapor transmission volume, oxygen transmission volume, peel strength and heat seal strength	
44	Laminated Films and Pouches (PT /AL/PE) for Pharmaceutical Packaging		Part of Items	0315	Laminated Films and Pouches (PT /AL/PE) for Pharmaceutical Packaging YBB00202004	Accredited only for water vapor transmission volume, oxygen transmission volume, peel strength between AL and PE layers and heat seal strength	

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		Item/Parame	cter Code of	Title Code of		
No	Test Object	No Item Param	n/ Field	Title, Code of Standard or Method	Limitation	Note
45	PVC/PE /PVDC Composite sheet for Solid Pharmaceutical Packaging	Part Item	0315	PVC/PE /PVDC Composite sheet for Solid Pharmaceutical Packaging YBB00202005	Accredited only for water vapor transmission volume, oxygen transmission volume, heat seal strength and impact resistance	
46	PVC sheet for Solid Pharmaceutical Packaging	Part Iten	0315	PVC sheet for Solid Pharmaceutical Packaging YBB00212005	Accredited only for water vapor transmission volume, oxygen transmission volume and impact resistance	
47	PVC/PVDC Composite sheet for Solid Pharmaceutical Packaging	Part Item	0315	PVC/PVDC Composite sheet for Solid Pharmaceutical Packaging YBB00222005	Accredited only for water vapor transmission volume, oxygen transmission volume and heat seal strength	

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3.6	T. (OI: (Item/	/Parameter	Code of	Title, Code of	T	NT 4
Nº	Test Object	№	Item/ Parameter	Field	Standard or Method	Limitation	Note
48	PVC/LDPE Composite sheet for Solid Pharmaceutical Packaging		Part of Items	0315	PVC/LDPE Composite sheet for Solid Pharmaceutical Packaging YBB00232005	Accredited only for water vapor transmission volume, oxygen transmission volume, heat seal strength and impact resistance	
49	PA/AL/PVC Cold-formed Foil for Solid Pharmaceutical Packaging		Part of Items	0315	PA/AL/PVC Cold-formed Foil for Solid Pharmaceutical Packaging YBB00242002	Accredited only for water vapor transmission volume, oxygen transmission volume, peel strength and heat seal strength	
50	Composite Pipe(PE/AL/PE) for Pharmacertical Cream Packaging		Part of Items	0315	Composite Pipe(PE/AL/PE) for Pharmacertical Cream Packaging YBB00252005	Accredited only for peel strength, water vapor transmission volume and oxygen transmission volume	

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№	Test Object	Iter №	n/Parameter Item/ Parameter	Code of Field	Title, Code of Standard or Method	Limitation	Note
51	Multi-layer Co-extrusion Films and Bags Used for infusion		Part of Items	0315	Rules for Multi-layer Co-extrusion Films and Bags Used for infusion YBB00342002	Accredited only for adaptability, water vapor permeability(f ilm), oxygen transmission volume, nitrogen transmission volume and heat seal strength	
	pressure –sensitive	1	Peeling strength	0319	Test method for peel strength of pressure -sensitive tape at 180 °angle GB/T 2792-1998		
52	tape	2	water vapor transmissio n Rate	0319	Test method for water vapor transmission of pressure-sensitive tapes GB/T 15331-1994		
53	Pressure sensitive adhesive label		Part of Items	0319	Test method for peel strength of pressure -sensitive tape at 180 °angle GB/T 2792-1998 Pressure sensitive adhesive label HG/T 2406-2002	Accredited only for peel strength Accredited only for peel strength	

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		Iter	n/Parameter	Code of	Title, Code of		
No	Test Object	No	Item/	Field	Standard or Method	Limitation	Note
		312	Parameter				
					Test method for peel		
					strength of pressure	Accredited	
					-sensitive tape at	only for peel	
	Kraft paper		Part of		180 °angle	strength	
54	pressure sensitive		Items	0319	GB/T 2792-1998		
	adhesive tape		Items		Kraft paper pressure	Accredited	
					sensitive adhesive		
					tape	only for peel	
					HG/T 2408-1992	strength	

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