

Product Name		Autoclave Tape	Size	
<b>Item</b>		<b>Standard</b>		<b>Result</b>
Material Property	Weight	75g/m <sup>2</sup> ±5%		74.8g/m <sup>2</sup>
	Permeability	≥0.5um/Pa.S		1.55
	Break Strength	≥40N/25mm		65N/25mm
	Break Tensile Stretch	≥3%		8%
Sterilization Condition	Temperature	121 °C/132 °C		132 °C
	Time	20mins/10mins		10mins
	Colour Indicator	Turn From Yellow To Black when exposed to Steam		Yellow To Black
Finished Property	Appearance	flat on surface,no burrs and sharp edges		Complies
	Indicator	Class 1 according with EN ISO 11140		Complies
	Holding Power	top of tape slide ≤2.5mm		1.3mm
	Break Strength	≥80N/25mm		84N/25mm
	Break Tensile Stretch	≥3%		5%
	Size Tolerances	size conforms to design and plan order,tolerance within		Complies
Biological properties	Clean	According with USP current version		Complies
	Non Toxic	According with ISO 10993		Complies
<b>Conclusion</b>	The tape conforms to EN ISO 11140			

# CERTIFICATE OF ANALYSIS

Product Name	Steam chemical indicator card	Size
--------------	-------------------------------	------

	Item	Standard	Result
Material Property	Material	Medical grade paperboard	Medical grade paperboard
	products constitute	Special paperboard/Standard color lump/Steam color lump	Special paperboard
			Standard color lump
			Steam color lump
	Weight	250g/m <sup>2</sup> ± 5%	249.8g/m <sup>2</sup>
Sterilization Condition	Temperature	132°C~134°C	134°C
	Relative Humidity	30%	30%
	Time	3.5mins	3.5mins
	Colour Indicator	Turn From Blue To Black when exposed to steam	Blue to Black
Finished Property	Appearance	clear word,flat on surface,no burrs and sharp edges	Complies
	Procedure	No deformation,no other change except color	Complies
	Indicator	Class 4 according with ISO 11140	Complies
	Size Tolerances	size conforms to design and plan order,tolerance within ± 2mm	Complies
Biological properties	Clean	According with USP current version	Complies
	Non Toxic	According with ISO 10993	Complies
Conclusion	Conclusion	The card conforms to EN ISO 11140	

Product Name	ETO chemical indicator card	Size
--------------	-----------------------------	------

Item		Standard	Result
Material Property	Material	Medical grade paperboard	Medical grade paperboard
	products constitute	Special paperboard/Standard color lump/ Eo olor lump	Special paperboard
			Standard color lump
			EO color lump
Weight	250g/m <sup>2</sup> ± 5%	249.8g/m <sup>2</sup>	
Sterilization Condition	EO Concentration	600±50ml/l	600ml
	Temperature	40°C~65°C	55°C
	Relative Humidity	65%~80%	70%
	Time	3~12hours	3.5hours
	Colour Indicator	Turn From Red To Brown when exposed to ethylene oxide	Red To Brown
Finished Property	Appearance	clear word,flat on surface,no burrs and sharp edges	Complies
	Procedure	No deformation,no other change except color	Complies
	Indicator	Class 4 according with ISO 11140	Complies
	Size Tolerances	size conforms to design and plan order,tolerance within±2mm	Complies
Biological properties	Clean	According with USP current version	Complies
	Non Toxic	According with ISO 10993	Complies
Conclusion	The card conforms to ISO 11140		

## Customer Material Identification : Heat Sealing

Sterilization Reel Composition: Medical grade paper 60GSM & PET/ CPP Composite Film.

Product Name	Heat Sealing Sterilization Reel	Size	
--------------	---------------------------------	------	--

Properties	Unit	Standard	Test Results	Item Conclusion
Gram weight of medical paper	g/sq.m	60±3	61	Complies
Thick of PET/ CPP film	µm	50±2	52	Complies
Gram weight of PET/ CPP film	g/sq.m	55±2	56.5	Complies
Intensity of Tearing (Beeline)	N/15mm	≥150	282	Complies
Intensity of Tearing (Corner)				
Intensity of Tearing (Corner)	N/25mm	≥120	185	Complies
Capability of Rejecting Water				
Capability of Breath	S	≥20	26	Complies
PH Acidity & Alkalescence	ml/min	80±2	82	Complies
The Error for dimensions		7+/-2	6	Complies
The Error for Color	mm	±2	1	Complies
	dot	±1	0	Complies
Conclusion	The Heat Sealing Flat Roll conforms to EN868-5:2009			

We hereby certify that the product has been manufactured according to the Technical Standard of the Company and meets the requirements of EN868-5:2009 for this type of product.

## Customer Material Identification : Heat Sealing

gusseted Reel Composition: Medical grade paper 60GSM & PET/ CPP Composite Film.

Product Name	Heat Sealing gusseted Reel	Size	
--------------	----------------------------	------	--

Properties	Unit	Standard	Test Results	Item Conclusion
Gram weight of medical paper	g/sq.m	60±3	60.1	Complies
Thick of PET/ CPP film	µm	50±2	52	Complies
Gram weight of PET/ CPP film	g/sq.m	55±2	56.5	Complies
Intensity of Tearing (Beeline)	N/15mm	≥150	293	Complies
Intensity of Tearing (Corner)	N/25mm	≥120	190	Complies
Capability of Rejecting Water	S	≥20	28	Complies
Capability of Breath	ml/min	80±2	82	Complies
PH Acidity & Alkalescence		7+/-2	6	Complies
The Error for dimensions	mm	±2	1	Complies
The Error for Color	dot	±1	0	Complies
Conclusion	The Heat Sealing Gusseted Roll conforms to EN868-5:2009			

We hereby certify that the product has been manufactured according to the Technical Standard of the Company and meets the requirements of EN868-5:2009 for this type of product.