

## THE LEADER IN THE CUSTOMIZATION OF EASY-TO-CLEAN HOMOGENEOUS TAPE SOLUTIONS

# CLEANGEN

www.canwellbelt.com

The leader in solution customization Quanzhou Canwell Transmission Technology Co., Ltd.



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Cooperation Is Beased On Trust. Trust Is Based On Service And Quality.

As one of the auxiliary materials in direct contact with products, the food conveyor belt has changed from PVC material to TPU material, which fully demonstrates the importance customers attach to food hygiene and safety. With the promulgation of various food safety standards, the traditional polyester fabric conveyor belt can no longer meet the needs of the majority of users. And, CLEANGEN CLEANGEN® antibacterial easy to clean homogeneous belt was born.

CLEANGEN series of products can provide customers with a full range of high-quality solutions: including the belt + chain plate + supporting components + technical support and training of the whole line of products.

## **CLEANGEN** Easy Clean Homogeneous Belt

CLEANGEN products have higher industry relevance and stronger scene directivity, and can choose delivery solutions according to the mechanical specifications of the food, the use environment, texture, match and load, as well as the required output volume, helping food manufacturers to maintain high hygiene standards, reduce the risk of food contamination, and better provide safe food to the market.

## **PRODUCT FEATURE**

A single fabric-free material reduces contamination of the conveyor belt



Single fabric-free material

Polvester fabric PU belt

#### Material advantages of special extrusion processes





Does not absorb water

Does not









absorb oil

Does not absorb odors

Does not harbor bacteria

Does not produce delamination

Easy to clean and save water



Use high-grade antibacterial materials to ensure that the conveyor belt is mold-free

All products of the belt series meet the following test report standards:





The belt can effectively inhibit the growth of bacteria, avoid infection of transported products, and provide customers with a safe and healthy use environment.

	Zero Risk fabric contamination	Low Cost cleaning & maintenance	Good Sealing waterproof performance	No aging delamination	Stable low temperature operation
CLEANGEN series	Excellent material selection and one-time extrusion molding process completely avoid the risk of fiber drop, remove hidden dangers of food hygiene, and effectively solve the risk of fabric contamination.	The surface has high flatness, sm- ooth corners, no dead corners, whi- ch solves the problem of debris, dirt and organic matter accumulation. The consumption of water and clea- ning agents has been significantly reduced, which has been proven in numerous trials, minimizing main- tenance costs.	The superior compactness of the easy-to-clean belt can comple- tely prevent water and oil from penetrating into the conveyor belt body, effectively increasing the life of the conveyor belt.	The excellent anti-hydrolysis p erformance of CLEANGEN series allows the conveyor belt to maintain good performance even if it is exposed to a humid and hot environment for a long time.	Good low temperature resis- tance enables the easy-clean belt series to maintain toughness and run stably in low tempera- ture environments.
General conveyor belt	Polyester fabric and equipment friction broken fibers fall into the food, with health risks; on the other hand, broken fibers involved in the equipment, easy to occur in the downtime phenomenon, the risk is higher.	The traditional conveyor belt has many dead ends and cannot be fully cleaned, and a large amount of water and chemicals are requi- red for cleaning, which increases manpower and time costs.	Humid or heavy oil environment will lead to faster surface cracking of tra- ditional conveyor belts, increasing the risk of food hygiene.In addition, the fabric layer of the traditional fabric conveyor belt has a stronger water absorption capacity, and it is easy to breed bacteria after long-term use.	Frequent cleaning with warm water and disinfectants will acc- elerate the aging of the conveyor belt, and the adhesion of each layer will deteriorate, resulting in delamination of the conveyor belt, which cannot meet the daily use.	When exposed to low tempera- tures, its performance rapidly degrades and belt splices begin to embrittle and fail.

## FIELD OF APPLICATION



## Raw meat processing

- Blood will not mildew
- Animal grease is easy to clean



## Fresh fruits & vegetables

High density hydrolysis resistance





## Frozen food (dumplings, meatballs, etc.)

 Low temperature delivery does not crack

## Fried food

 Oil resistance corrosion resistance no odor residue



## **TYPE OF DRIVE**

The CLEANGEN belt series adopts two different driving modes to meet the conveying needs of different sections.

## Gear Drive

The meshing transmission design of the belt series is unique. It mainly uses the parallel extrusion teeth on the surface of the conveyor belt and the pulley groove to transmit power. The design further enhances the reliability and stability of the transmission; The operation of the unique guide mechanism reduces the tension and deviation of the conveyor belt, facilitates maintenance, greatly saves the customer's operating space, and prolongs the service life of the conveyor belt.



### Friction drive

Friction drive is a common drive mode, which relies on the friction force generated when the belt and pulleys are tensioned to drive the movement of objects on the surface of the belt. CLEANGEN net plane homogeneous belt can be used without changing the original mechanical structure of friction drive, which meets the conveying requirements of some special sections and achieves a long-term hygienic use environment.



## **TYPE SPECIFICATION**



<b>S</b> - Material	50- Series	<b>U</b> - Colour	<b>30</b> - Floor thickness	Y - Wired	<b>M</b> - Design
S -Ester	50 -K50 toothed belt	U -blue	20 -2.0mm	Y -Contains	A -glossy
H -Ether	40 -K40 toothed belt	DU -dark blue	23 -2.3mm	aramia wire	M -matte
	25 -K25 toothed belt	W -white	28 -2.8mm	No letter indicates	G -golf
	00 -K00 plane belt	MW -milk white	30 -3.0mm	p	S -small triangle
			46 -4 6mm		H -horizontal bar

## K25 Series

#### Selection reference:

The connection of the conveying equipment requires small wheel strength and the load is not heavy.



## Technical Parameters

Product code	Colour	Material	Hardness	Antibacterial class	Thickness (MM)	Depth of tooth (MM)	Maximum load (kg/m)	Working temperature (°C)	Surface Design	Pitch (MM)	Minimum roll diameter (MM)
S25-U28Y	blue	TPU	90A	Grade one	2.8	3	210	-5 / +80	glossy	25.4	80.25
S25-U23	blue	TPU	50D	Grade one	2.3	3	80	-5 / +80	glossy	25.4	64.2
S25-W28Y	white	TPU	90A	Grade one	2.8	3	210	-5 / +80	glossy	25.4	80.25
S25-W23	white	TPU	50D	Grade one	2.3	3	80	-5 / +80	glossy	25.4	64.2
H25-DU28Y	dark blue	TPU	90A	Grade zero	2.8	3	210	-20 / +60	glossy	25.4	80.25
H25-DU23	dark blue	TPU	50D	Grade zero	2.3	3	80	-20 / +60	glossy	25.4	64.2
H25-MW28Y	milk white	TPU	90A	Grade zero	2.8	3	210	-20 / +60	glossy	25.4	80.25
H25-MW23	milk white	TPU	50D	Grade zero	2.3	3	80	-20 / +60	glossy	25.4	64.2

## Wheels And Parameters

Category	Model	Number	Outside diameter (mm)	Thickness	Materials	Bore shape	Bore specification	Schematic
Action	C25-8F	0	64.2	30	POM / PA / PF	Square hole	40	
wheel	CZJ-OL	0	01.2	50		Circular hole	25-35	
Action	C25 10E	10	80.25	30		Square hole	40	
wheel	CZJ-IUE	10	00.25	50	TOM/TA/TE	Circular hole	25-35	
Action	CDE 10E	12	06.2	20		Square hole	40	
wheel	C25-12E	12	90.5	- 30	PUM / PA / PE	Circular hole	25-35	
Action	COF 145	14	112.25	20		Square hole	40	
wheel	C25-14E	14	112.55	30	FOM/FA/FE	Circular hole	25-35	



## K50 Series

#### Selection reference:

The k50 series is an upgrade of the k25 series, which has a stronger load capacity and is suitable for heavy wheel load.



## Technical Parameters

Product code	Colour	Material	Hardness	Antibacterial class	Thickness (MM)	Depth of tooth (MM)	Maximum load (kg/m)	Working temperature (°C)	Surface Design	Pitch (MM)	Minimum roll diameter (MM)
S50-U30	blue	TPU	50D	Grade one	3.0	4	110	-5 / +80	glossy	50.4	128.4
S50-W30	white	TPU	50D	Grade one	3.0	4	110	-5 / +80	glossy	50.4	128.4
S50-U30Y	blue	TPU	90A	Grade one	3.0	4	220	-5 / +80	glossy	50.4	128.4
S50-W30Y	white	TPU	90A	Grade one	3.0	4	220	-5 / +80	glossy	50.4	128.4
S50-U46Y	blue	TPU	90A	Grade one	4.6	4	240	-5 / +80	glossy	50.4	128.4
S50-U30Y/G	blue	TPU	90A	Grade one	3.0	4	220	-5 / +80	golf	50.4	128.4
H50-DU30	dark blue	TPU	50D	Grade zero	3.0	4	110	-20 / +60	glossy	50.4	128.4
H50-MW30	milk white	TPU	50D	Grade zero	3.0	4	110	-20 / +60	glossy	50.4	128.4
H50-DU30Y	dark blue	TPU	90A	Grade zero	3.0	4	220	-20 / +60	glossy	50.4	128.4
H50-MW30Y	milk white	TPU	90A	Grade zero	3.0	4	220	-20 / +60	glossy	50.4	128.4

## Wheels And Parameters

Category	Model	Number	Outside diameter (mm)	Thickness	Materials	Bore shape	Bore specification	Schematic
Action		0	128 /	30		Square hole	40	
wheel	C30-6E	8	120.4	50	FOM/FA/FL	Circular hole	25-35	
Action	CE0 10E	10	160 5	30		Square hole	40	
wheel	C30-10E	10	100.5	50	FOM/FA/FL	Circular hole	25-35	
Action	CE0 12E	12	102.61	30		Square hole	40	
wheel	C30-12E	12	192.01	50	FOM/FA/FE	Circular hole	25-35	

## K40 Series

#### Selection reference:

The center drive design makes the conveying surface more flat and the bottom cleaning more convenient.

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## **Technical Parameters**

Product code	Colour	Material	Hardness	Antibacterial class	Thickness (MM)	Depth of tooth (MM)	Maximum load (k <sub>a</sub> /m')	Working temperature (°c)	Surface Design	Pitch (MM)	Minimum roll diameter (MM)
S40-U30	blue	TPU	50D	Grade one	3.0	8	120	-5 / +80	glossy	39.7	101.15
S40-W30	white	TPU	50D	Grade one	3.0	8	120	-5 / +80	glossy	39.7	101.15
S40-U30Y	blue	TPU	90A	Grade one	3.0	8	220	-5 / +80	glossy	39.7	101.15
S40-W30Y	white	TPU	90A	Grade one	3.0	8	220	-5 / +80	glossy	39.7	101.15
H40-DU30	dark blue	TPU	50D	Grade one	3.0	8	120	-20 / +60	glossy	39.7	101.15
H40-MW30	milk white	TPU	50D	Grade one	3.0	8	120	-20 / +60	glossy	39.7	101.15
H40-DU30Y	dark blue	TPU	90A	Grade one	3.0	8	220	-20 / +60	glossy	39.7	101.15
H40-MW30Y	milk white	TPU	90A	Grade one	3.0	8	220	-20 / +60	glossy	39.7	101.15

## Wheels And Parameters

Category	Model	Number	Outside diameter (mm)	Thickness	Materials	Bore shape	Bore specification	Schematic
Action	C40-8E	8	101.15	90	POM / PA / PE	Square hole	40	
WIIEEL						Circular note	25-35	
Action	C40-10F	10	126.43	90	POM / PA / PE	Square hole	40	
wheel	010102				, ,	Circular hole	25-35	
Action	640 105	10	151 70	00		Square hole	40	
wheel	C40-12E	12	151.72	90	POM / PA / PE	Circular hole	25-35	
Driven		0	101.15	150		Square hole	40	
wheel	D50-8E	0	101.15	150	PUM/PA/PE	Circular hole	25-35	
Driven	DE0 10E	10	126 12	150		Square hole	40	
wheel	DO0-TOE	10	120.45	130	FOM/FA/FL	Circular hole	25-35	
Driven	DE0 12E	12	151 72	150	ΡΩΜ / ΡΔ / ΡΕ	Square hole	40	
wheel	D30-12E	12	131.12	130	I OM/IA/IL	Circular hole	25-35	

## K00 Series

#### Selection reference:

Do not need to change the original mechanical structure, can be installed directly.

## **Technical Parameters**

		5	rial	ness	acterial class	ness (MM)	ium load (k <sub>g/m</sub> )	ıg temperature	ce Design	um roll diameter	Golf
	Product code	Color	Mate	Hardı	Antib	Thick	Maxim	Workin (°c)	Surfa	Minim (MM)	
9	S00-U20Y/AM	blue	TPU	85A	Grade one	2.0	160	-5 / +80	glossy / matte	40	
\$	500-W20Y/AM	white	TPU	85A	Grade one	2.0	160	-5 / +80	glossy / matte	40	Small triangle
:	S00-U30Y/AM	blue	TPU	85A	Grade one	3.0	180	-5 / +80	glossy / matte	50	
\$	500-W30Y/AM	white	TPU	85A	Grade one	3.0	180	-5 / +80	glossy / matte	50	
	S00-U30Y/AG	blue	TPU	85A	Grade one	3.0	180	-5 / +80	glossy / golf	50	Horizontal bar
	S00-U30Y/AS	blue	TPU	85A	Grade one	3.0	180	-5 / +80	glossy / small triangle	50	
н	00-DU30Y/AM	dark blue	TPU	50D	Grade zero	3.0	180	-20 / +60	glossy / matte	60	
Н	00-DU30Y/AG	dark blue	TPU	50D	Grade zero	3.0	180	-20 / +60	glossy / golf	60	Plane (Glossy / Matte)

## Connection equipment

In order to repair and restore production in a timely manner when the conveyor belt breaks due to mechanical failure in the production process, Cleagen introduces a quick splicing machine, which is simple and convenient to operate, enabling on-site installation and repair of the conveyor belt. The specific operation and equipment specifications are available on line by contacting the corresponding sales person.





## CLEANGEN Easy Clean Homogeneous Belt Attachment

## C-guide

Product	Col	<b></b>	specif	ication	Minimum	Minimum	Hardnoss	With
number		our	В	H	with teeth	without teeth	Haraness	teeth
D5	Blue	White	5	3	25	30	70A	•
D6	Blue	White	6	4	30	35	70A	•
D8	Blue	White	8	5	35	45	70A	٠
D10	Blue	White	10	6	45	50	70A	٠
D13	Blue	White	13	8	60	70	70A	٠
D17	Blue	White	17	11	90	100	70A	٠
TD10	Blue	White	10	10		80	70A	

 $(\ {\rm Note:}\ {\rm The\ minimum\ roll\ diameter\ is\ the\ front\ parameter\ of\ the\ belt,\ and\ C-guide\ can\ be\ customized\ according\ to\ customer\ requirements\ )$ 



## Cleats

## Straight cleats & Strengthen cleats



Product number	Colour	Baffle height rangeн (mm) т (mm)		Hardness
UKTX-height	Blue	10mm-120mm	6	85A
WKTX-height	White	10mm-120mm	6	85A
UKT-height	Blue	10mm-120mm	4	85A
WKT-height	White	10mm-120mm	4	85A

( Note:can be customized according to customer requirements )

Scooped cleats



Product number	Colour	Baffle height range H (mm)	Thickness T (mm)	length L(mm)	Hardness
UKTL-50	Blue	50	5.5	30	85A
UKTL-50	Blue	70	5.5	30	85A
UKTL-50	Blue	90	5.5	30	85A
UKTL-50	Blue	110	5.5	40	85A
WKTL-50	White	50	5.5	30	85A
WKTL-50	White	70	5.5	30	85A
WKTL-50	White	90	5.5	30	85A
WKTL-50	White	110	5.5	40	85A

( Note:can be customized according to customer requirements )

The problem of material scattering and loss in the process of climbing and horizontal transportation is solved

## Conveyor structure

## **K40 SERIES CONVEYOR STRUCTURE**

Traditional conveyors consist of the following components:

- Drive Wheel
- A sliding bed composed of multiple UHMW ultra-high polymer engineering plastic support bars
- · Driven pulley with tensioner (tensioner)
- Additional pallets according to the width of the belt and the weight of the conveyance
- · Rotary wheel
- · Anti-tooth idler



- For long belts carrying heavy material, we recommends roller slide beds.
- It is recommended to use UHMW ultra-high polymer engineering material support strips as conveyor slide beds.

#### Recommended size specifications:

- A. Distance between guide support on both sides of conveyor belt teeth :85 mm
- B. Spacing of other support :100-150 mm
- C. The distance between the drive wheel and the front end of the support strip depends on the support strip and the cross section of the strut. The C should be as small as possible, but retain a gap X of not less than 20 mm.
- D.Distance between the center of the driving roll and the surface of the support strip: half of the outer diameter of the driving roll
- E. Surface of the sliding bed to the bottom of the conveyor belt at 180° engagement Angle Distance: mesh diameter of conveyor belt = outer diameter of driving roll + thickness of conveyor belt
- F. Support strip width :25-50 mm
- G. Maximum distance between conveyor belt edge and support strip :50 mm



## **K25 / K50 SERIES CONVEYOR STRUCTURE**







## **Z-SHAPE CONVEYOR STRUCTURE**

Z-type conveyors are usually used to lift materials. CLEANGEN homogeneous easy-cleaning belts are absolutely ideal for such applications:

## UHMW ultra-high polymer engineering plastic support bar slide bed structure

- 1. Driven wheel
- 2. Roller set: Transition from horizontal to inclined conveying
- 3. UHWM ultra-high molecular engineering plastic support strip sliding bed
- 4. Top Roller: Tilt to Horizontal Transition
- 5. Drive wheel
- 6. Roller set: Transition from horizontal to descending return
- 7. Return roller
- 8. Bottom roller: Transition from descent to horizontal return
- 9. Driven wheel tension device (tensioner)



4

8

3

2

### Roller slide bed structure

- 1. Driven wheel
- 2. Roller set: Transition from horizontal to inclined conveying
- 3. Idler sliding machine
- 4. Top Roller: Tilt to Horizontal Transition
- 5. Drive wheel
- 6. Roller set: Transition from horizontal to descending return
- 7. Return roller
- 8. Bottom roller: Transition from descent to horizontal return
- 9. Driven wheel tension device (tensioner)

Note: In the transition zone (2 and 4), the conveyor belt will be offset towards the center of the fitting circle of the curved structure of the conveyor, resulting in high tension and friction on the components in this zone. Therefore, it is very important to use roller sets at these two transitions to minimize tension and friction.

5

6

7



## 2 configuration options for the transition area



The bending angle of the conveyor belt should be as large as possible, and it should not be smaller than the minimum driving wheel diameter of the conveyor belt and its components used. The larger the bending angle, the smaller the wear. In large-angle bending parts, it is most convenient to use a roller set composed of small rollers.

For belt widths of 600 mm or more, we recommend the use of guide bars on both sides of the front of the belt. The guide bar keeps the conveyor belt running stably through the V-groove pulley in the transition area (see picture). This method is recommended.



### **Rotary wheel**

If the conveyor has a tensioning device (tensioner) and the conveyor belt has been tensioned by 0.3-0.5%, the conveyor can run regardless of the placement of the return wheels, usually the distance A between the return wheels is a maximum of 1.5 meters (Figure 1).

The conveyor belt is allowed to sag between the rotary wheels. But in any case, the key point is to avoid the slack of the conveyor belt close to the driving wheel, so as to prevent the phenomenon of tooth detachment between the belt teeth and the gear teeth during the operation of the conveyor (Figure 2).

The distance between the return wheels should take advantage of the weight of the belt to prevent the belt from slack near the drive wheels. When positioning one rotary pulley, it is permissible to place the other rotary pulley a long distance away so that the weight of the belt will cause it to sag at that distance, rather than near the drive pulley (Figure 3).



Figure 3

## Anti-tooth idler

The anti-tooth idler increases the meshing angle between the driving wheel and the conveyor belt, so the occurrence of tooth removal is eliminated. The anti-tooth idler is also widely used to transport heavy materials or to prevent tooth skipping caused by other reasons. It is installed very close to the drive wheel to avoid relaxation of the conveyor belt between the two.





#### Test Report

No. CANHG2124931601

Page 1 of 3

JINJIANG KAISILI INDUSTRIAL BELT. , LTD JINJIANG WULI INDUSTRIAL ZONE23 LING'AN ROAD

The following sample(s) was/were submitted and identified on behalf of the clients as : Food conveyor belt

SGS Job No. :	GZHL2112056736CW - GZ
Client Ref. Info. :	Sample Purpose:transportation
Manufacturer :	JINJIANG KAISILI INDUSTRIAL BELT., LTD
Country of Origin :	CHINA
Date of Sample Received :	30 Dec 2021
Testing Period :	30 Dec 2021 - 07 Jan 2022
Test Requested :	Selected test(s) as requested by client.
Test Method :	Please refer to next page(s).
Test Results :	Please refer to next page(s).

**Result Summary :** 

Test Requested	Conclusion
FDA 21 CFR 177.2600–Total extractive residues	PASS

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Kim Cai

Kim Cai Approved Signatory





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Test Repor	t	No. CANHG2124931601	Date: 07 Jan 2022	Page 2 of 3
Test Results :				
Test Part Desci	iption :			
Specimen No.	SGS Sample ID	Description		Material
SN1	CAN21-249316.00	1 Blue soft sheet		TPU

#### FDA 21 CFR 177.2600-Total extractive residues

Test Method : With reference to US FDA 21 CFR 177.2600.

Simulant Used	<u>Time</u>	Temperature	<u>Max. Permissible</u> <u>Limit</u>	Result of 001	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux temperature	20mg/inch <sup>2</sup>	<0.5mg/inch <sup>2</sup>	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/inch <sup>2</sup>	<0.5mg/inch <sup>2</sup>	PASS
n-Hexane	7.0hr(s)	Reflux temperature	175mg/inch <sup>2</sup>	0.9mg/inch <sup>2</sup>	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	4mg/inch <sup>2</sup>	<0.5mg/inch <sup>2</sup>	PASS

#### Notes :

1.mg/inch<sup>2</sup>= milligram per square inch 2.Limit = Reference limit.



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#### Test Report No.: GZHL2310036454CW Date: Oct 30, 2023

JINJIANG KAISLEY INDUSTRIAL BELT CO.,LTD HUA ZHONG LU SHE TAN XIN RONG YUAN QU, WULI INDUSTRIAL ZONE, JINJIANG CITY, QUANZHOU CITY, FUJIAN PROVINCE

Sample Description : 蓝色 TPU

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

: CANHL23012053301
: Oct 20, 2023
: Oct 20, 2023 to Oct 27, 2023
: Selected test(s) as requested by applicant
: For further details, please refer to the following page(s)

	Test Requirement	Conclusion
1	US FDA 21 CFR 175.300 - Total extractives	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2004) 4 - Overall Migration	Pass

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Lily Zhang Authorized Signatory





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of email: et al. 2000 No.198, Keinu Naski Science (以下comice 3 Enchronicgical Development Area, Guargatou, Guargatou, China 510663 中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编: 510663 Page 1 of 3



**Test Report** 

No.: GZHL2310036454CW

Date: Oct 30, 2023

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#### Test Result(s):

#### **Test Part Description:**

SN ID S	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	CAN23-0120533-0001.C001	Blue soft part	TPU

Remarks:

- mg/dm<sup>2</sup> = milligram per square decimeter mg/kg = milligram per kilogram
- (2) °C = degree Celsius
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

#### US FDA 21 CFR 175.300 - Total extractives

Test Method: With reference to US FDA 21 CFR 175.300.

Simulant used	Test Condition	Limit	Unit(s)	RL	A1	Comment
8% Ethanol	150°F, 2 hrs	18	mg/inch <sup>2</sup>	0.1	ND	Pass
n-Heptane	100°F, 0.5 hr	18	mg/inch <sup>2</sup>	0.1	ND	Pass
Distilled water	150°F, 2 hrs	18	mg/inch <sup>2</sup>	0.1	ND	Pass

#### Notes:

(1) Limit = Reference limit.

## Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Council of Europe Resolution AP (2004) 4 - Overall Migration

Test Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; EN 1186-3:2022 Test methods for overall migration in evaporable simulants EN 1186-2:2022 Test methods for overall migration in vegetable oils EN 1186-13: 2002 Method B -adsorption by modified polyphenylene oxide.

	Test Condition						
	Rectified olive oil	10% Ethanol(V/V)	3% Acetic acid (W/V)				
A1	70°C,2 hrs	70°C,2 hrs	70°C,2 hrs				

Simulant used	Limit	Unit(s)	RL	A1 (3 <sup>rd</sup> Migration)	Comment
Rectified olive oil	10	mg/dm²	3.0	ND	Pass
10% Ethanol(V/V)	10	mg/dm²	3.0	ND	Pass
3% Acetic acid (W/V)	10	mg/dm <sup>2</sup>	3.0	ND	Pass



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