Report No: CPSGGHD2635097 **Dated: 01 Oct 2026**

TEST REPORT

Original photo of the submitted sample











OVERALL STATUS	
PASS	X
FAIL	
DATA	

Applicant : **MERLIN BRANDS**
Contact Person : Muskan Madan
Address : W-40, Pocket W, Okhla Phase – II, Okhla Industrial Estate, New Delhi, Delhi - 110020

Sample not drawn by Cotecna Inspection India Pvt Ltd

Sample Description : Submitted Sample is Zylo Bottle
Buyer Name : -
Buying House : -
Style / Article No. : Madeye, Shyguy, Sizzle, Spunky, Miss Butters
Order/ PO No. : -
Country of Destination : India
Sample Received Date : 27 Aug 2026
Testing Period : 27 Aug 2026 to 23 Sep 2026
Date of Issue : 01 Oct 2026
Sample Condition : Sample Received in Good Condition

S. No.	Test Conducted	Result	Comments
1	Stainless Steel Vacuum Flasks – Specification (IS 17526)	P	-
2	Child Care Articles – Drinking Equipment – Safety Requirements test method EN 14350:2020	P	-
3	Overall Migration	P	-
4	Phthalates	P	-
5	Specific Migration of Phthalic Acid	P	-
6	Specific Migration of Bisphenols	P	-
7	Specific Migration of Heavy Metals	P	-
8	FDA 21 CFR 177.2600	P	-
9	FDA 21CFR 177.1520	P	-
10	FDA GRAS	P	-
11	Free fall drop shock resistance	P	
12	Dishwasher Safe	P	-

P=Pass, F=Fail, NA: Not Applicable

Remark: Metal Composition tests subcontracted to ISO 17025 accredited laboratory.

For and on behalf of
Cotecna Inspection India Pvt Ltd.

Kamal Sardhana
Deputy Manager
Authorized Signatory- Mechanical

For and on behalf of
Cotecna Inspection India Pvt Ltd.

Anshul Sharma
Lab Supervisor
Authorized Signatory

Remark:
1. "Statement of conformity is based on simple acceptance criteria without taking measurement uncertainty into account unless otherwise requested in writing."
2. Test results are drawn according to the kind and extent of the tests performed.
3. Without permission of the tests Centre, this report is not permitted to be duplicated in extracts.
4. This report does not entitle us to carry any safety mark on this or similar products.
5. This test report represents the test parameters as requested by the customer based on submitted sample only.
6. The referenced test report relates solely to specific samples submitted for testing. The results are limited to those samples and shall not be construed as a certification, endorsement, guarantee, or approval by Cotecna Inspection India Private Limited of any product, batch, lot, or manufacturing process of the Company."

TEST RESULTS

01-Stainless Steel Vacuum Flasks – Specification (Is 17526)

TEST	TEST METHOD	REQUIREMENTS	RESULT
Shape, Size and Nominal Capacity	IS 17526: 2021 Clause 4	The stainless-steel vacuum flasks/bottles normally come in various capacities from 150 ml to 2 500 ml. The mouth portion (size) comes in typically two variants (wide mouth above 45 mm and narrow mouth 45 mm and below)	Data Wide Mouth: 53 mm Capacity: 570 ml
Manufacture and Workmanship	IS 17526: 2021 Clause 5	The shape, size and nominal capacity of the inner container shall be as agreed to between the purchaser and the manufacturer. However, the nominal capacity of the inner containers shall be declared by the manufacturer.	Pass No Defect Observed
Material	IS 17526: 2021 Clause 7	**7.1.2.1** The flask/bottle, if coated fully or partially externally, shall conform to the thickness test, saltwater corrosion test, adhesion test procedures as per IS 9730. The limit for lead and cadmium of the coating shall be as per IS 9806 (*see* sl. no iv) and v) of Table 1 of IS 9806) when measured as per standard test method. The minimum thickness of the coating shall be declared by the manufacturer. **7.1.3** *Stopper* The stopper of the inner container shall be of non-toxic and food grade material (*see* IS 9845). If stainless steel is used, it shall conform to the material specified for the inner container. When fitted to the inner container it shall not slip off and shall provide a leak-proof fitting. If and O-ring or washer is provided it shall be food grade silicone, refer to Annex N of IS 3565 for information on Silicone. The O-ring or washer, when visually examined, shall be free from blisters, pinholes, cracks, embedded foreign matters and other defects which may impair their serviceability. No joints allowed.	Pass Thickness: Outer Wall: 0.42 mm Inner Wall: 0.33 mm Refer Table A
Capacity	IS 17526: 2021 Clause 7.3	The nominal capacities may be declared one amongst 150 – 2 500 ml, other capacities may be as agreed to between the purchaser and the manufacturer. The tolerance on the nominal capacity shall be + 5 percent. No Negative tolerance is permitted.	Data Recorded: 570 ml

<table>
<tr>
<td>Heat Retention Capability</td>
<td>IS 17526: 2021
Clause 7.4</td>
<td>The temperature of water heated to 95 °C (+1 °C/– 0 °C) and kept in flask/bottle, in accordance with the method prescribed in Annex A when measured at intervals of 1, 6, 12 and 24 hr respectively, shall be not less than as given in Table 1.
7.4.1 For routine testing, the flasks/bottles shall be tested for 1 h, 6 h and 12 h
test. Type test for 24 h heat retention test.

Table 1 Heat Retention Capability
(Clause 7.4)
<table>
<tr><th rowspan="2">Sl No.</th><th rowspan="2">Capacity of the Flask/Bottle (ml)</th><th colspan="4">Temperature Attained Not Less Than (°C) for Narrow Mouth</th><th colspan="4">Temperature Attained Not Less Than (°C) for Wide Mouth</th></tr>
<tr><th>After 1 hour</th><th>After 6 hours</th><th>After 12 hours</th><th>After 24 hours</th><th>After 1 hour</th><th>After 6 hours</th><th>After 12 hours</th><th>After 24 hours</th></tr>
<tr><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td><td>(5)</td><td>(6)</td><td>(7)</td><td>(8)</td><td>(9)</td><td>(10)</td></tr>
<tr><td>i)</td><td>150-250</td><td>80</td><td>60</td><td>50</td><td>40</td><td>80</td><td>60</td><td>50</td><td>40</td></tr>
<tr><td>ii)</td><td>251-500</td><td>88</td><td>70</td><td>56</td><td>42</td><td>80</td><td>60</td><td>50</td><td>40</td></tr>
<tr><td>iii)</td><td>501-750</td><td>91</td><td>78</td><td>60</td><td>50</td><td>80</td><td>60</td><td>50</td><td>40</td></tr>
<tr><td>iv)</td><td>751-1 000</td><td>91</td><td>80</td><td>70</td><td>55</td><td>88</td><td>70</td><td>56</td><td>42</td></tr>
<tr><td>v)</td><td>> 1 000</td><td>91</td><td>80</td><td>70</td><td>55</td><td>88</td><td>78</td><td>68</td><td>50</td></tr>
</table>
</td>
<td>Not requested</td>
</tr>
<tr>
<td>Cold Retention Capability</td>
<td>IS 17526: 2021
Clause 7.5</td>
<td>The temperature of water cooled to 5 °C and kept in flask/bottle, in accordance with the method prescribed in Annex B when measured after 6 hours, shall be not greater as given in Table 2.

Table 2 Cold Retention Capability
(Clause 7.5)
<table>
<tr><th>Sl No.</th><th>Capacity of Inner Containers (ml)</th><th>Temperature Attained not More than for Narrow Mouth after 6 h (°C)</th><th>Temperature Attained Not more than for Wide Mouth after 6 h (°C)</th></tr>
<tr><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td></tr>
<tr><td>i)</td><td>150-250</td><td>13</td><td>14</td></tr>
<tr><td>ii)</td><td>251-500</td><td>11</td><td>12</td></tr>
<tr><td>iii)</td><td>501-750</td><td>10</td><td>11</td></tr>
<tr><td>iv)</td><td>751-1 000</td><td>10</td><td>11</td></tr>
<tr><td>v)</td><td>> 1 000</td><td>09</td><td>10</td></tr>
</table>
</td>
<td>Not requested</td>
</tr>
<tr>
<td>Impact Resistance (Drop Impact)</td>
<td>IS 17526: 2021
Clause 7.6</td>
<td>The flask/bottle shall be free from defects harmful to use and no defects such as water leakage, crack, etc., and comply to heat or cold retention capacity as specified in 7.4 or 7.5 respectively.</td>
<td>Pas
(No Leakage observed)</td>
</tr>
<tr>
<td>Fixing Strength of the Handle</td>
<td>IS 17526: 2021
Clause 7.7</td>
<td>A handle if provided, shall be subjected to the following test.
Weigh the flask/bottle with water filled to its maximum capacity along with the stopper(s) and cup(s). Gradually apply a load, preferably using a tensile tester, equal to a minimum of six times its mass as shown in Fig. 3. After the maximum load is attained, keep for 5 minand examine the presence of any abnormality.
The flask/bottle and handle shall be free from any abnormality.</td>
<td>Pass
(No Detachment Observed)</td>
</tr>
<tr>
<td>Test for Strength of Shoulder Strap</td>
<td>IS 17526: 2021
Clause 7.8</td>
<td>A shoulder strap if provided, shall be subjected to the following test.
Weigh the flask/bottle with water filled to its maximum capacity along with the stopper(s) and cup(s). Gradually apply a load, preferably using a tensile tester, equal to a minimum of ten times its mass as shown in Fig. 4. After the maximum load is attained, keep for 5 min and examine the presence of any abnormality.
The flask/bottle and shoulder strap shall be free from any abnormality.</td>
<td>Not Applicable
(Due to No Shoulder Strap)</td>
</tr>
</table>

Leakage Test	IS 17526: 2021 Clause 7.9	No drops shall appear on the stopper, spout, casing or on the surface on which the flask/bottle has been overturned. The flask/bottle shall be tested without the cup if the design of the flask/bottle is a cup along with the stopper.	Pass (No leakage observed)
Joint Leak test	IS 17526: 2021 Clause 7.10	The empty flask/bottle without stopper or plug or lever shall be weighed (weigh balance accuracy upto 10 mg). The flask/bottle shall be dipped fully in a water bath for atleast 5 min. After taking out the flask/bottle, the inside and outside of the flask/bottle shall be wipe dry. The flask/bottle shall be weighed again. There shall be no increase in weight.	Pass (No leakage observed)
Staining Test	IS 17526: 2021 Clause 7.11	The inner and outer surface of the flask/bottle shall be thoroughly washed with hot soapy water. Thoroughly rinse and then degrease the test specimens in acetone or methylated spirits, then wiped using a soft cloth. The flask/bottle, when dipped for 16 h in each of the following solutions maintained at 60±2 °C temperature, shall not show any sign of staining after removal from the solutions at the end of above period: a) Ten gram of glacial acetic acid (99 percent) dissolved in distilled water to make 100 ml; and b) Five gram of pure sodium chloride dissolved in distilled water to make 100 ml.	Pass (No Stain Observed)
Length of the Shoulder Strap	IS 17526: 2021 Clause 7.12	The length of the shoulder strap, if provided, shall be 400 mm or over when measured as given in Fig. 5 and the length of strap shall be adjustable	Not Applicable (Due to No Shoulder Strap)
Stability of Flask/Bottle	IS 17526: 2021 Clause 7.13	When the flask/bottle filled with water to the full capacity is placed upright over a rough 10° inclined plane, it shall not overturn or fall or overbalance.	Pass (No tipping observed)
Pour Test	IS 17526: 2021 Clause 7.14	No spluttering shall occur when liquid is poured out of the flask/bottle. A cup with a month opening of 60 to 80 mm diameter is placed approximately in the centre, above a sheet of white paper of 200 mm × 200 mm, When a black tea or coffee is poured out of the flask/bottle from a height of around 50 mm, measured from the pouring edge of the flask/bottle to the edge of the cup placed on the white paper, no stains caused by the sputtering shall appear on the white paper. For purpose of this test, the flask/bottle shall be 3/4th filled.	Pass No spluttering Observed
Instructions for use	IS 17526: 2021 Clause 8	**8.2** The Manufacturer shall provide the following minimum information along with each flask/bottle given below: a) How to unpack and take care of environment; b) How to stock the flask/bottle in case the flask/bottle is not going to be used, to avoid pitting or getting contaminated; c) Wash thoroughly before and after use; d) Always rinse with clean water (preferably warm water) before each use; e) Ensure the flask/bottle is cleaned, empty and dry before stocking after each use; f) Do not use for carrying ice cubes; g) Do not use to store or carry carbonated drinks; h) In order to minimize bacterial growth, do not use to keep warm milk products or baby food for long. Follow b, c and ensure dry before using warm milk or baby	Not present

		food. The flask/bottle should not stink and should be properly sterilized first with hot water and later rinsed with ro/purified drinking water. Ensure the flask/bottle is dry and does not stink; j) The container should be periodically cleaned; k) Never use in a dishwasher, unless otherwise stated by the manufacturer; m) Never use the flask/bottle if there is suspected leakage between the two containers (empty the flask/bottle and shake the flask/bottle there should be no sound of water in between the containers); n) Handle the flask/bottle carefully, do not drop the flask/bottle; and p) Keep these instructions safe	
Marking	IS 17526: 2021 Clause 9	**9.1** Each domestic vacuum stainless steel flask/bottle shall be legibly and permanently marked with the following minimum information: a) Nominal capacity; b) Grade of material of inner container and outer container and its IS No; c) Name or trade mark of the manufacturer; and d) Batch number.	Not present
Bis certification marking	IS 17526: 2021 Clause 9.2	The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.	Present
Packaging	IS 17526: 2021 Clause 10	Each flask/bottle shall be suitable packaged in a carton to avoid any damage during transit.	Not Present

Table- A

Metal Composition - IS 17526: 2021 Clause 7

Parameters	Result (%)	Specification (%)	Conformation
	Functional Part of Stainless-Steel Bottle		
Carbon	0.043	0.08 Max	Yes
Silicon	0.316	1.00 Max	Yes
Manganese	0.926	2.00 Max	Yes
Phosphorus	0.023	0.045 Max	Yes
Sulfur	0.015	0.030 Max	Yes
Chromium	18.21	18.0-20.0	Yes
Molybdenum	0.032	----	----
Nickel	8.08	8.0-12.0	Yes
Cobalt	0.131	----	
Copper	0.177	----	
Aluminum	<0.0100	----	
Vanadium	0.052	----	
Titanium	<0.0100	----	
Niobium	<0.0200	----	
Lead	<0.0100	----	
Zirconium	<0.008	----	
Tantalum	<0.0200	----	
Iron	71.92	----	

Sample conforms to STD. ASTM A276 /A276M-23, Grade -SS 304 OR 18/8 of Stainless Steel W.R.T. the above elements.

02- EN 14350:2020 (Child use & care articles-Drinking equipment),

TEST DESCRIPTION / CLAUSE	TEST METHOD	REQUIREMENT	RESULT
General	EN 14350:2020 Clause 5	All materials of construction shall comply with the requirements in this document.	Pass
Pre-Treatment			
Boiling	EN 14350:2020 Clause 6.4/ EN ISO 3696/ GSO 142/2010 Clause 3.6, 5.4	Shall be no damage which causes the failure of any subsequent tests The requirement of EN ISO 3696, Grade 3, for 10±1 min without touching of wall of the container	Pass (No visual deformation observed)
Conditioning	EN 14350:2020 Clause 6.5 /SASO ISO 20870:2001	Shall be conditioned for at least 40 h before the test at the room temperature (23±2) °C and relative humidity (50±2) %	Pass (No visual deformation observed)
Decoration, inscription and decals	EN 14350:2020 Clause 7.2 / GSO 2015 Clause 5.1	A drinking equipment where the child mouth can contact the outside of the cup shall not be printed and/ or inmold labelled area extending to 20 mm measured form drinking rim. Decoration shall not be attached to any part of drinking equipment by glue	Pass
Visual and tactile examination	EN 14350:2020 Clause 7.3/ EN 71-1 Clause 8.12 / EN 71-1 Clause 8.11	Shall be free from any sharp point or edge and free of flash and burrs	Pass (No sharp Point/Edge/Burrs)
Small part	EN 14350:2020 Clause 7.4/ EN 71-1 Clause 8.2	All parts which are designed to be remove or become separated after the tensile or other mechanical tests, shall not fit entirely within small part cylinder in any orientation.	Pass (No small Part Present)
Clause 7.6 Requirements and test for container			
Volumetric labelling Requirements	EN 14350:2020 Clause 7.6.1 / SASO 1875: 2001Clause 4.1	The container is marked with graduations these shall include the nominated the maximum capacity	Not Present
Volumetric accuracy	EN 14350:2020 Clause 7.6.2 / SASO 1875: 2001Clause 4.1	- All Graduations ≥ 100 ml: ± 5 % - All Graduations < 100 ml: ± 5 ml.	Not Applicable
Print adhesion of graduations	EN 14350:2020 Clause 7.6.3 / SASO 1875: 2001Clause 4.1	The container with printed graduations intends for repeated use shall be test The print coating not to be less the grade B	Not Applicable
Thermal shock	EN 14350:2020 Clause 7.6.4 / SASO 1876 Clause 4.6	No part of any re- usable container shall crack and break	Pass (No Cracks & Breakage Observed)

Clause 7.7 Requirements and test for drinking accessories			
Tear resistance test	EN 14350:2020 Clause 7.7.1/ GSO 2073 Clause 5.2 / SASO ISO 868:2003 / EN 71-1 Clause 8.4	No drinking accessories which can be punctured during 7.7.1.3 and shall be submitted un-punctured to the tensile test according to 7.7.1.4	Pass
Push pull valve	EN 14350:2020 Clause 7.7.2 / EN 71-1 Clause 8.18	No breakage shall observe after 1000 cycles of open and close. Further tensile strength test to be done as per clause 7.7.2.4	Not Applicable (No Push pull valve provided)
Protective cover	EN 14350:2020 Clause 7.8/7.8.1/7.8.2 / EN 71-1	**Detachable Protective cover-** Shall be tested for small part **Permanent Protective cover-** No part shall be break during test as per clause7.8.3.3	Pass No small part observed (Detachable Protective cover)
Handles and clips	EN 14350:2020 Clause 7.9 / EN 71-1 Clause 8.4	Shall not to be breakage of handle and clip after applied force 90±5 N for 10 sec	Pass (No Breakage observed on Handle)
Finger Traps	EN 14350:2020 Clause 7.10 / EN 71-1 Clause 4.10.3/ SASO ISO 868:2003 / GSO 2015/2010	All accessible holes more than 10 mm deep shall not have an opening width between 5.5 mm and 12 mm.	Pass (No Accessible holes Present
Clause 7.11 Protruding parts			
Maximum length	EN 14350:2020 Clause 7.11.1 /EN 71-1 Clause 4.9	The length of any protruding part emerging from the container shall not be grater the 100 mm	Not Applicable
Flexibility	EN 14350:2020 Clause 7.11.2 / EN 71-1 Clause 8.4	Protruding part shall collapse to less than 40 mm while applied force od 10 N.	Not Applicable
Security /retention test of protruding part	EN 14350:2020 Clause 7.11.3 / EN 71-1 Clause 8.4	No part of feeding teat shall break, tear or separate from the container while sample place at 45° angle and applied load 60±5 N for 10±2 sec.	Not Applicable
Cords and loops	EN 14350:2020 Clause 7.12 /EN 71-1 Clause 8.20	Length of single cord shall not exceed 220 mm If there is a loop it shall have a maximum circumference of 360 mm When loop opens pulled with 90 N the single cord shall each not exceed a length of 220 mm	Not Applicable (No cords and loops provided)

TEST DESCRIPTION / CLAUSE	TEST METHOD	REQUIREMENT	RESULT
Chemical Requirements			
Volatile compounds content	EN 14350:2020 Clause 8.4.1/8.4.2/ EN 71-3 /GS0 2016	When silicone rubber components intended put in mouth or to be contact with food shall be tested according to 8.4.2.3, the volatile compounds content shall not exceed 0.5 % (m/m).	Pass (Refer Table- 1)
N-Nitrosamines and N-nitrosatable substance	EN 14350:2020 Clause 8.5/ GS0 2016 Clause 5.2	Shall not to be exceed <0.01 mg/kg	Pass (Refer Table- 2)
Migration of certain elements	EN 14350:2020 Clause 8.6.1/8.6.2/ EN 71-3 /GS0 2016	When tested in accordance with 8.6.2, the migration of all elements from all material(s) used in the drinking accessories shall not exceed the limits given in Table 5.	Pass (Refer Table- 3)
MBT release	EN 14350:2020 Clause 8.7.1/8.7.2 /GSO 2016 Clause 5.4	When components of drinking equipment's are tested is accordance with 8.7.2 the migration of 2-mercaptobenzothiazole (MBT) shall not exceed the limit 8 mg/kg	Pass (Refer Table- 4)
Antioxidant release	EN 14350:2020 Clause 8.7.1/8.7.2 GSO 2016 Clause 5.4	When components of drinking equipment's are tested is accordance with 8.7.2 the migration of the following Antioxidant shall not exceed the limit given in table 7	Pass (Refer Table- 5)
Formaldehyde	EN 14350:2020 Clause 8.7.1/8.7.2 / UAE.S GSO 1863:2013	When components of drinking equipment's are tested is accordance with 8.7.2 the migration of Formaldehyde shall not exceed the limit given in table 8	Not Applicable
Migration from Glass	EN 14350:2020 Clause 8.10.1/8.10.2/ BS EN 1388-1	When glass component tested, it should meet the requirement laid in clause 8.10.1	Not Applicable
Migration from Metal	EN 14350:2020 Clause 8.11.1/8.11.2/ UAE.S GSO 1863:2013	When test should meet the requirement of EDQM Metal and Alloys used in food contact articles	Pass (Refer Table- 6)

Table -01

Volatile Organic Matter (VOM)

Test Regulation In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB), Section 30 and 31 with amendments and BfR recommendation

Test Method: BfR Recommendations on Food Contact Materials (formerly "Plastics Recommendations") Part XV "Silicone

Tested Component	Test Condition	Result (%)				Requirement (%)	Conclusion
		Replicate1	Replicate 2	Replicate 3	Average		
Silicon Ring	100 & 200°C for 6 to 7 hours	0.85%	0.125%	0.100%	0.10 %	Max. <0.5	Pass

Table - 02

N-Nitrosamines and N-nitrosatable substance (elastomer & rubber components) EN14350:2020/ EN 71-12:2016

S. No.	AMINES		CAS NO.	Test Result (mg/kg)		REQUIREMENT
				1	2	
1	N-NITROSODIMETHYLAMINE	NDMA	62-75-9	BDL	BDL	0.01 mg/kg
2	N-NITROSODIETHYLAMINE	NDEA	55-18-5	BDL	BDL	0.01 mg/kg
3	N-NITROSODI-I-PROPYLAMINE	NDIPA	601-77-4	BDL	BDL	0.01 mg/kg
4	N-NITROSODI-N-PROPYLAMINE	NDPA	621-64-7	BDL	BDL	0.01 mg/kg
5	N-NITROSODI-N-BUTYLAMINE	NDBA	924-16-3	BDL	BDL	0.01 mg/kg
6	N-NITROSODI-I-BUTYLAMINE	NDIBA	997-95-5	BDL	BDL	0.01 mg/kg
7	N-NITROSOMORPHOLINE	NMOR	59-89-2	BDL	BDL	0.01 mg/kg
8	N-NITROSOPYRROLIDINE	NPYR	930-55-2	BDL	BDL	0.01 mg/kg
9	N-NITROSOPIPERIDINE	NPIP	100-75-4	BDL	BDL	0.01 mg/kg
10	N-NITROSOETHYLMETHYLAMINE	NMEA	10595-95-6	BDL	BDL	0.01 mg/kg
11	N-NITROSOMETHYLPHENYLAMINE	NMPHA	614-00-6	BDL	BDL	0.01 mg/kg
12	N-NITROSOETHYLPHENYLAMINE	NEPHA	612-64-6	BDL	BDL	0.01 mg/kg
13	N-NITROSODIISONONYLAMINE	NDINA	1207995-62-7	BDL	BDL	0.01 mg/kg
14	N-NITROSODIBENZYLAMINE	NDBZA	5336-53-8	BDL	BDL	0.01 mg/kg
15	N-NITROSODIETHANOLAMINE	NDELA	1116-54-7	BDL	BDL	0.01 mg/kg

BDL: Below Detection Limit
Detection Limit = 0.01 mg/kg

Tested Component:

1. Silicon Ring
2. Red Bottom Rubber

Table - 03

Migration of Certain elements
Test Method: (EN 71 Part-3:2019+A2:2024)

HEAVY METAL	Detection Limit (mg/kg)	RESULT (mg/kg) Tested Components								REQUIREMENT (Category – 3)
		1	2	3	4	5	6	7	8	
Aluminum (Al)	5	BDL	BDL	BDL	BDL	BDL	BDL	11.8	BDL	28130
Antimony (Sb)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560
Arsenic (As)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	47
Barium (Ba)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18750
Boron (B)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15000
Cadmium (cd)	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17
Chromium-III	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	460
Chromium-IV	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0..53
Cobalt (Co)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	130
Copper (Cu)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7700
Lead (Pb)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	23
Manganese (Mn)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15000
Mercury (Hg)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	94
Nickel (Ni)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	930
Selenium (Se)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	460
Strontium (Sr)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	56000
Tin (Sn)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	180000
Organotin	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12
Zinc (Zn)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	46000

HEAVY METAL	Detection Limit (mg/kg)	RESULT (mg/kg) Tested Components								REQUIREMENT (Category – 3)
		9	10	11	12	13	14	15	16	
Aluminum (Al)	5	23	40	BDL	67	80.39	BDL	BDL	BDL	28130
Antimony (Sb)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560
Arsenic (As)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	47
Barium (Ba)	5	452	359	639	486	457.79	7.34	5.74	BDL	18750
Boron (B)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15000
Cadmium (cd)	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17
Chromium-III	5	6	74	BDL	49	7.59	BDL	BDL	BDL	460
Chromium-IV	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0..53
Cobalt (Co)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	130
Copper (Cu)	5	12	12	15	15	13.12	BDL	BDL	BDL	7700
Lead (Pb)	0.5	BDL	14	20	10	14.70	13.20	15.10	2.91	23
Manganese (Mn)	5	48	38	35	59	36.96	BDL	BDL	BDL	15000
Mercury (Hg)	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	94
Nickel (Ni)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	930
Selenium (Se)	5	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	460
Strontium (Sr)	5	BDL	14	13	22	11.86	BDL	BDL	BDL	56000
Tin (Sn)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	180000
Organotin	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12
Zinc (Zn)	5	8	15	14	20	9.34	BDL	BDL	BDL	46000

NOTE: BDL = Below Detection Limit, F = Does not meet Requirement, NA = Not Applicable
< = Less than Mg/kg = Milligram per kilogram

Tested Component:

1. **Aqua Plastic**
2. **Orange Plastic**
3. **Sky Blue Plastic**
4. **Light Pink Plastic**
5. **Purple Plastic**
6. **Green Plastic**
7. **Silicon Ring**
8. **Red Bottom Butter**
9. **Multicolor Coating of Madeye**
10. **Multicolor Coating of Miss Butters**
11. **Multicolor Coating of Shyguy**
12. **Multicolor Coating of Sizzle**
13. **Multicolor Coating of Spunky**
14. **Orange Rubber**
15. **Pink Rubber**
16. **Green Rubber**

Table 04

Specific Migration of MBT Test - EN 14350:2020 Clause 8.7.1/8.7.2 GSO 2016 Clause 5.4
Test Method: EN-71-11:2005
Test Condition: 3% Acetic Acid @ 40°C for 24 Hours

Tested Component	Detection Limit	Result -mg/kg	Requirement – mg/kg	Conclusion
Red Bottom Rubber	0.01 mg/kg	BDL	8	Pass

Table - 05

Antioxidant release - Butylated Hydroxytoluene Test (BHT)
Test Method: by Gas Chromatography-Mass Spectrometry

Tested Component	Detection Limit	Result -mg/kg	Requirement – mg/kg	Conclusion
Red Bottom Rubber	01 mg/kg	BDL	Absent	Pass
Orange Rubber + Pink Rubber + Green Rubber	01 mg/kg	BDL		Pass

Table -06

Specific Release for Metal & Alloy Components- EN 14350:2020 Clause 8.11.1/8.11.2

Test Method: Council of Europe Resolution CM/Res (2020)9 or EDQM- analysis was performed by ICP-MS
Council of Europe Resolution CM/Res (2020)9 on the safety and quality of materials and articles for contact with food under the aegis of the EDQM – 2ND Edition

Test Condition: 70°C for 02 Hours

Simulant: 0.5 % Citric Acid

Tested Components: Stainless Steel Part

HEAVY METAL	Detection Limit (mg/kg)	RESULT (mg/kg)	REQUIREMENT For 1st + 2nd Trial (Max. mg/kg)	RESULT (mg/kg)	REQUIREMENT For 3rd Trial (Max. mg/kg))
		1st + 2nd Trail		3rd Trial	
Silver (Ag)	0.025	BDL	**0.560**	BDL	**0.080**
Aluminum (Al)	0.050	BDL	**35**	BDL	**5**
Cobalt (Co)	0.010	BDL	**0.140**	BDL	**0.020**
Chromium (Cr)	0.025	BDL	**7**	BDL	**1**
Copper (Cu)	0.100	BDL	**28**	BDL	**4**
Iron (Fe)	0.100	BDL	**280**	BDL	**40**
Magnesium (Mg)	0.050	BDL	**---**	0.062	**---**
Manganese (Mn)	0.050	BDL	**3.85**	BDL	**0.55**
Molybdenum (Mo)	0.050	BDL	**0.840**	BDL	**0.120**
Nickel (Ni)	0.050	BDL	**0.980**	BDL	**0.140**
Tin (Sn)	0.100	BDL	**700**	BDL	**100**
Titanium (Ti)	0.050	BDL	**---**	BDL	**---**
Vanadium (V)	0.005	BDL	**0.070**	BDL	**0.010**
Zinc (Zn)	0.100	BDL	**35**	BDL	**5**
Arsenic (As)	0.001	BDL	**0.014**	BDL	**0.002**
Barium (Ba)	0.100	BDL	**8.4**	BDL	**1.2**
Beryllium (Be)	0.001	BDL	**0.070**	BDL	**0.010**
Cadmium (Cd)	0.001	BDL	**0.035**	BDL	**0.005**
Mercury (Hg)	0.001	BDL	**0.021**	BDL	**0.003**
Lithium (Li)	0.001	BDL	**0.336**	BDL	**0.048**
Lead (Pb)	0.001	BDL	**0.070**	BDL	**0.010**
Anitmony (Sb)	0.010	BDL	**0.280**	BDL	**0.040**
Thallium (Tl)	0.0001	BDL	**0.0007**	BDL	**0.0001**
Zirconium	0.01	BDL	**14**	BDL	**2**

BDL: Below Detection Limit

03- Overall Migration

Test Regulation: Commission Regulation (EU) 2020/1245 of 2 September 2020 amending and correcting Regulation (EU) No 10/2011 on Plastic materials and articles intended to come into contact with food.

Test Method: EN 1186

Tested Component	Simulant	Test Condition	Result (mg/dm²)			Requirement (mg/dm²)	Conclusion
			1st Attack	2nd Attack	3rd Attack		
Aqua Plastic	3% Acetic Acid	70^{0}C for 2 hrs.	<5	<5	<5	10	Pass

Tested Component	Simulant	Test Condition	Result (mg/dm²)			Requirement (mg/dm²)	Conclusion
			1st Attack	2nd Attack	3rd Attack		
Sky Blue Plastic	3% Acetic Acid	70^{0}C for 2 hrs.	<5	<5	<5	10	Pass

Tested Component	Simulant	Test Condition	Result (mg/dm²)			Requirement (mg/dm²)	Conclusion
			1st Attack	2nd Attack	3rd Attack		
Purple Plastic	3% Acetic Acid	70^{0}C for 2 hrs.	<5	<5	<5	10	Pass

Tested Component	Simulant	Test Condition	Result (mg/dm²)			Requirement (mg/dm²)	Conclusion
			1st Attack	2nd Attack	3rd Attack		
Silicon Ring	3% Acetic Acid	70^{0}C for 2 hrs.	<5	<5	<5	10	Pass

Detection Limit: 5 mg/dm²

04- Phthalates

With reference Regulation (EC) No.1907/2006 (REACH) and its amendments, Annex XVII, Entry 51 and 52 (solvent extraction followed by GC-MS)

Test Method: BSEN-14372:2014

Phthalate	CAS No.	Results (mg/kg)					Requirement (mg/kg)	Conclusion
		1+ 2+3	4+5+6	7	8	9		
Di-iso-nonylphthalate (DINP)	28553-12-0	BDL	BDL	BDL	BDL	BDL	<1000	Pass
Di(2-ethylhexyl)-phthalate (DEHP)	117-81-7	BDL	BDL	BDL	BDL	BDL		
Butylbenzylphthalate (BBP)	85-68-7	BDL	BDL	BDL	BDL	BDL		
Dibutylphthalate (DBP)	84-74-2	BDL	BDL	BDL	BDL	BDL		
Diisodecylphthalate (DIDP)	26761-40-0	BDL	BDL	BDL	BDL	BDL		
Di-n-octylPhthalate (DNOP)	117-84-0	BDL	BDL	BDL	BDL	BDL		

Phthalate	CAS No.	Results (mg/kg)					Requirement (mg/kg)	Conclusion
		10	11	12	13	14+15+16		
Di-iso-nonylphthalate (DINP)	28553-12-0	BDL	BDL	BDL	BDL	BDL	<1000	Pass
Di(2-ethylhexyl)-phthalate (DEHP)	117-81-7	BDL	BDL	BDL	BDL	BDL		
Butylbenzylphthalate (BBP)	85-68-7	BDL	BDL	BDL	BDL	BDL		
Dibutylphthalate (DBP)	84-74-2	BDL	BDL	BDL	BDL	BDL		
Diisodecylphthalate (DIDP)	26761-40-0	BDL	BDL	BDL	BDL	BDL		
Di-n-octylPhthalate (DNOP)	117-84-0	BDL	BDL	BDL	BDL	BDL		

BDL: Below Detection Limit, Detection Limit: 50 Mg/kg or ppm, Mg/kg= milligram per kilogram

Tested Component:

1. **Aqua Plastic**
2. **Orange Plastic**
3. **Sky Blue Plastic**
4. **Light Pink Plastic**
5. **Purple Plastic**
6. **Green Plastic**
7. **Silicon ring**
8. **Red Bottom Butter**
9. **Multicolor Coating of Madeye**
10. **Multicolor Coating of Miss Butters**
11. **Multicolor Coating of Shyguy**
12. **Multicolor Coating of Sizzle**
13. **Multicolor Coating of Spunky**
14. **Orange Rubber**
15. **Pink Rubber**
16. **Green Rubber**

05-Specific Migration of Phthalic Acid

Test Method: With reference to IS 9845 followed by analysis in GC-MS

Tested Component	Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Phthalic acid, bis (2-ethylhexyl) ester (DEHP)	Aqua Plastic	03% Acetic Acid	70°C for 02 Hours	BDL	1.5 (mg/kg)	Pass

Tested Component	Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Phthalic acid, bis (2-ethylhexyl) ester (DEHP)	Sky Blue Plastic	03% Acetic Acid	70°C for 02 Hours	BDL	1.5 (mg/kg)	Pass

Tested Component	Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Phthalic acid, bis (2-ethylhexyl) ester (DEHP)	Purple Plastic	03% Acetic Acid	70°C for 02 Hours	BDL	1.5 (mg/kg)	Pass

Tested Component	Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Phthalic acid, bis (2-ethylhexyl) ester (DEHP)	Silicon Ring	03% Acetic Acid	70°C for 02 Hours	BDL	1.5 (mg/kg)	Pass

BDL-Below Detection Limit, Detection Limit: 0.1 mg/kg

06- Specific Migration of Bisphenols

Test Method: GC-SOP-ANA-018 based on Solvent Extraction Analysis followed by LC-MS/MS
specific migration in 3% acetic acid: EN 13130-1:2004, LC-MS/MS analysis, With reference EN 13130-1:2004, LC-MS/MS analysis
Test Simulant: 3% Acetic Acid
Test Condition: 70°C for 02 Hours

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Aqua Plastic	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Orange Plastic	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Sky Blue Plastic	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Light Pink Plastic	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Purple Plastic	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Green Plastic	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Silicon Ring	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

Tested Component	Test Compounds	Results(mg/kg)	Requirement (mg/kg)	Conclusion
Red Bottom Rubber	**Bisphenols -A**	BDL	<0.05 mg/kg	Pass
	Bisphenols -B	BDL		Pass
	Bisphenols -S	BDL		Pass
	Bisphenols -F	BDL		Pass

BDL=Below Detection Limit, Minimum Detection Limit: 0.05 mg/kg,

04- Specific Migration of Heavy Metals

Test Regulation: Commission Regulation (EU) 2020/1245 of 2 September 2020 amending and correcting Regulation (EU) No 10/2011 on plastic Materials and articles intended to come into contact with food (Text with EEA relevance)
Test Method: EN 13130 followed by analysis in ICP-MS
Test Condition: AT 70°C for 02 Hrs.
Test Simulant: 3% Acetic Acid

Element	Minimum Detection Limit (mg/kg)		Results (mg/kg) 3rd Attack				Requirement (mg/kg)	
			1	2	3	4		
Barium (Ba)	0.1		<0.1	<0.1	<0.1	<0.1	1.0	
Cobalt (Co)	0.005		<0.005	<0.005	<0.005	<0.005	0.05	
Copper (Cu)	0.5		<0.5	<0.5	<0.5	<0.5	5.0	
Iron (Fe)	5		<5	<5	<5	<5	48.0	
Lithium (Li)	0.1		<0.1	<0.1	<0.1	<0.1	0.6	
Manganese (Mn)	0.1		<0.1	<0.1	<0.1	<0.1	0.6	
Zinc (Zn)	3		<3	<3	<3	<3	5.0	
Lanthanum (La)	0.01	Sum of La, Eu, Gd & Tb: 0.04	<0.01	<0.01	<0.01	<0.01	0.05	Sum of La, Eu, Gd & Tb: 0.05
Europium (Eu)	0.01		<0.01	<0.01	<0.01	<0.01	0.05	
Gadolinium (Gd)	0.01		<0.01	<0.01	<0.01	<0.01	0.05	
Terbium (Tb)	0.01		<0.01	<0.01	<0.01	<0.01	0.05	
Antimony (Sb)	0.04		<0.04	<0.04	<0.04	<0.04	0.04	
Arsenic (As)	0.01		<0.01	<0.01	<0.01	<0.01	0.01	
Cadmium (Cd)	0.002		<0.002	<0.002	<0.002	<0.002	0.002	
Chromium (Cr)	0.01		<0.01	<0.01	<0.01	<0.01	0.01	
Lead (Pb)	0.01		<0.01	<0.01	<0.01	<0.01	0.01	
Aluminium (Al)	0.2		<0.2	<0.2	<0.2	<0.2	1.0	
Nickel (Ni)	0.02		<0.02	<0.02	<0.02	<0.02	0.02	
Mercury (Hg)	0.01		<0.01	<0.01	<0.01	<0.01	0.01	

Tested Components:

1. Aqua Plastic
2. Sky Blue Plastic
3. Purple Plast
4. Silicon Ring

08- FDA 21 CFR 177.2600

Test Method: 21CFR 177.2600
Tested Component – Silicon Ring
Surface Area- 12.0-inch²
Volume Used: 200 ml

Food Simulant	First 7 Hour extraction		Succeeding 2 Hour Extraction		Conclusion
	Result	Requirement	Result	Requirement	
Dist. Water	0.51 mg/inch²	≤20 mg/inch²	0.26 mg/inch²	≤1 mg/inch²	Pass
n-Hexane	25.00 mg/inch²	≤175 mg/inch²	1.18 mg/inch²	≤4 mg/inch²	Pass

First 7 Hour extraction Detection Limit: 0.1 mg/inch², Succeeding 2 Hour Extraction: 0.1 mg/inch²

09- FDA 21CFR 177.1520

Test Method: 21CFR 177.1520

Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Aqua Plastic	n-Hexane	02 Hrs.at 68°C	1.53 %	5.5 %	Pass
	Xylene	02 Hrs.at 150°C	11.65 %	30 %	Pass

Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Sky Blue Plastic	n-Hexane	02 Hrs.at 68°C	1.42 %	5.5 %	Pass
	Xylene	02 Hrs.at 150°C	11.01 %	30 %	Pass

Tested Component	Simulant	Test Condition	Result	Requirement	Conclusion
Purple Plastic	n-Hexane	02 Hrs.at 68°C	1.61 %	5.5 %	Pass
	Xylene	02 Hrs.at 150°C	12.18 %	30 %	Pass

Detection Limit: 0.1%

10-FDA GRAS

Test description	Test method	Test results	Requirements	Conclusion
Functional Part of Stainless-Steel Bottle	FDA / GRAS / ASTM E1086-22	GRAS As per Chromium- 18.21%	Chromium should be ≥16%. If between 11.5 – <16% additional Leachable heavy metal (Pb, Cd, As and Hg) should <0.1 mg/l	Pass

Metal Composition

Parameters	Result (%)	Protocol
	Functional Part of Stainless-Steel Bottle	
Carbon	0.043	ASTM E1086-22
Silicon	0.316	
Manganese	0.926	
Phosphorus	0.023	
Sulfur	0.015	
Chromium	18.21	
Molybdenum	0.032	
Nickel	8.08	
Cobalt	0.131	
Copper	0.177	
Aluminum	<0.0100	
Vanadium	0.052	
Titanium	<0.0100	
Niobium	<0.0200	
Lead	<0.0100	
Zirconium	<0.008	
Tantalum	<0.0200	
Iron	71.92	

11- Free fall drop shock resistance

Test description	Test method	Test results	Requirements	Conclusion
Carton box of Zylo Bottle	ASTM D5276-19	Pass	A carton passes if the interior product remains undamaged and the carton stays functional	Pass

12- Dishwasher Safe

No of cycle - 10 Cycles
Temperature - 60°C
Time/cycle - 120 min. (Approx.)
Detergent used - Cascade

Tested Sample	Test Method	Result	Requirement
Sample – Mad eye	In-House Method (CCPS-SOP-HL-01)	Pass (No Visual change observed)	Sample is subjected to the specified 10 dishwashing cycles(wash/rinse/dry) & visually examined by naked eye in comparison with the controlled sample. Shall show no sign of crack, rust spot, deformation or any sign of visual change.

End of the Test Report

COTECNA
GENERAL TERMS AND CONDITIONS

1. GENERAL

1.1. Services provided to a client (herein the "Principal") by an entity of the Cotecna group of companies (such entity herein referred to as the "Company"), directly or through the Company's agents and/or subcontractors, are subject to the Cotecna General Terms and Conditions (herein "GTC"), unless superseded by any Cotecna Specific Conditions applicable to specific Services (herein "STC"), both the GTC and STC as amended from time to time, with the current binding and applicable versions published at http://www.cotecna.com/en/About-Cotecna/Terms-Conditions. The Principal agrees to be automatically bound by any subsequent versions of the GTC and STC as available at the aforementioned URL and acknowledges that the Company will use reasonable endeavours to notify the Principal of any modifications including by way of publication on its website.

1.2. The offer, proposal or quotation made by the Company for the Services (herein the "Offer"), together with the GTC and, when applicable, the STC, constitute the entire agreement (herein the "Agreement") between the Company and the Principal in respect of the Services. Any Offer shall be considered accepted by the Principal whether such acceptance was express or implied, and whether in writing, by telephone, by any means of electronic or instant messaging, or deemed accepted by the start of performance of Services by the Company.

1.3. The Agreement supersedes all prior discussions and agreements with respect to the performance of Services, as well as any terms which the Principal may purport to impose in relation to the performance of the Services.

1.4. The Company may provide various Services, including but not limited to the following: testing, inspection, certification, laboratory analyses, sampling, verification of conformity, customized technology and software solutions, factory inspections, supplier and other customised audits, assurance services, advisory and training services, always as further specified in the Offer or as per applicable program instructions of a national or international body/ authority (herein the "Program").

2. PERFORMANCE OF SERVICES

2.1. The Company undertakes to perform Services with reasonable care, skill and diligence and according to i) the scope and methods of performance set out in the Offer and ii) the standards and codes of practice deemed appropriate by the Company in view of the specific Services.

2.2. The Principal acknowledges that the Company may, at its discretion, assign or subcontract all or part of the performance of the Services to affiliates, agents and/or subcontractors and provide all such necessary information to the same. In case of such assignment, references to the Company herein shall extend to the assignee as applicable.

2.3. The Company will use reasonable efforts in meeting delivery and turnaround times stated in the Offer, but such times are estimates and do not constitute a commitment by the Company. Unless expressly agreed by the parties, time is not of the essence.

2.4. The Principal undertakes (i) to provide all necessary instructions, specifications and precise information in a timely manner to enable the Company to perform the Services. Any documents reflecting undertakings entered into between the Principal and third parties or third-party documents such as test reports, sales contracts, letters of credit, and bills of lading, even when provided to the Company, shall not be part of the Agreement, unless expressly specified and acknowledged in the Offer; (ii) to provide the necessary access to buildings, plants, warehouses, carriers of any kind, or any other place, as well as special equipment and assistance, if necessary, to enable the Company to perform the Services in the requested timeframe; (iii) to ensure that all adequate measures will be taken for the safety of employees and representatives of the Company during performance of the Services; (iv) to promptly take all necessary measures to ensure that no obstruction prevents the Company from performing the Services; (v) to inform the Company in advance of all the known and/or suspected risks or dangers of whatever nature, present or future, linked to all orders, samples or tests requests, including but not limited to the presence or risk of radiation, toxic substances, harmful or explosive materials and pollution; and (vi) to fulfil all its obligations under the terms of any contract with third parties relating to the Services performed by the Company.

2.5. When the Company is asked to attest to the intervention of a third party, the scope of Services shall be limited to being present at the time of the intervention of the third party or, as the case may be, to reviewing documents attesting to such third-party intervention and communicating the results of the intervention, or confirming that it took place. When Services are performed in relation to a contractual counterpart of the Principal, in particular if a Deliverable (as defined in clause 3.1) will be provided as per clause 3.3, the Principal shall cause such counterpart to acknowledge the terms of the Agreement prior to performance of the Services.

2.6. The Company shall have the right to suspend or terminate the performance of the Services if so required by applicable laws or Program.

3. DELIVERABLES

3.1. Subject to the terms of the Offer or applicable Program, the Company may issue a report, certificate, results or other work product (herein the "Deliverable") which reflects the Company's findings, for the sole benefit of the Principal and/or the relevant authority administering the Program. The Company has no obligation to refer to, give an opinion upon, or announce facts or circumstances which go beyond the scope of the Services set out in the Offer.

3.2. A Deliverable issued by the Company only reflects the Company's findings at the time and place of its intervention and does not release the Principal from its obligations regarding any and all discrepancies between the goods or services subject of the Services, and those actually delivered or provided, respectively.

3.3. Except as required under an applicable Program or specified in the Offer, Deliverables shall not be distributed, published, copied, replicated or amended without the Company's prior written consent. The Principal further agrees not to misrepresent at any time the content of any Deliverable. Deliverables are always intended for use by persons having professional skill and training in the interpretation of the findings and results contained therein.

3.4. The scope of a Deliverable issued by the Company in the framework of a Program is limited by the conditions of the contract in force between the Company and the relevant authority or by the accreditation (or equivalent) granted by the latter or by the applicable standards or technical regulations. Such Deliverable is established according to pre-determined criteria provided at a point in time, and always subject to clause 6.

3.5. Results contained in a Deliverable issued after tests and/or analysis of samples relate to those samples only, and shall not be construed as indicative or representative of the quality or characteristics of the entire batch or lot from which the samples were taken. If the scope of Services expressly requires an opinion on the overall quality of a sampled consignment or otherwise, such opinion shall be limited by the sampling and testing methods used. Further, the Company shall not be liable for any deterioration or loss of sample material kept in the Company`s custody.

4. FEES AND INVOICING

4.1. The Company provides its Services either (i) for the fees set out in the Offer or in the Program, or (ii) at the Company's standard rates (which are subject to change), as applicable, (herein the "Fees").

4.2. The Principal shall pay within thirty (30) days from the date of the invoice, all Fees due to and/or any expenses incurred by the Company in relation to the Services, failing which interest on arrears shall be due at 6.5% per annum as from the date when the payment was due until the actual date of payment.

4.3. Any applicable taxes shall be payable by the Principal. All payments to the Company shall be made as invoiced without deduction, retention, or set-off. However, in case any tax is required to be deducted or retained according to applicable laws, the sum payable by the Principal shall be increased to the extent necessary to ensure that the Company receives the entire invoiced sum, which it would have received had no tax been deducted or retained.

4.4. The Principal shall indemnify the Company for all the expenses incurred by it in recovering arrears due to the Principal's late payment, including lawyer's fees and other legal expenses.

4.5. If unforeseen problems arise or if the Company incurs extraordinary expenses for the performance of Services, the Company will have the right to invoice the amounts necessary to cover the time and the additional expenses. This includes, non-exhaustively, costs and flat fees for issuance of additional copies of Deliverables or re-issuance of any other document to the Principal. Further if the Company is unable to perform all or part of the service due to lack of access availability of cargo/ goods/ samples or undue delay, not caused by the Company, then the Company shall be entitled to reimbursement of such delay charges and expenses incurred by the Company from the Principal. The Company reserves the right to suspend or terminate its Services, at its sole discretion, if the Principal's account is overdue under this specific Agreement or any other agreement with the Company. Such suspension or termination of Services shall not be regarded as a breach of the relevant Agreement or relieve the Principal from any of its payment obligations to the Company.

4.6. Notwithstanding clause 7, the Company reserves the right to unilaterally modify the terms of payment provided for in clause 4.2 if it considers the financial standing of the Principal materially altered.

5. DISCLAIMERS

5.1. The Company makes no representation and gives no warranty, express or implied, whether written or oral, regarding i) the accuracy and authenticity of the documents, titles and pledges presented to it in the process of performance of the Services, or ii) the suitability, merchantability, fitness for a particular purpose, or the performance of the goods to which the Service relate. The Company does not warrant or guarantee the Principal's goods or services.

5.2. The Company shall not be liable to the Principal nor any third party for any action taken or not taken on the basis of any finding, result or Deliverables issued by the Company nor for incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to the Company.

5.3. The Company does not perform the services of a guarantor or insurer and cannot be held liable for acting as such. The Principal acknowledges and agrees to obtain appropriate insurance if it seeks to protect itself from claims for Loss (as defined in clause 6.1 below).

5.4. Services provided do not automatically include verification of origin or of third-party intellectual property rights attached to the goods, nor does it imply an obligation to examine title/ownership of goods subject to the request for Services.

6. LIMITATIONS OF LIABILITY

6.1. The Principal shall notify any claim to the Company's registered office by registered letter with acknowledgment receipt immediately after the discovery of the facts and circumstances giving rise to the claim, and in any event no later than 30 (thirty) days from such discovery. Failure to give such notice within this deadline shall constitute an irrevocable waiver to any claim. Further, the Company shall be discharged from any liability for loss, damage or expense of any nature (including but not limited to legal expenses) and howsoever caused arising from or in any way related to the Services (the "Loss"), unless a suit is brought within six (6) months from the date of performance by the Company of the Services which give rise to the claim, or if not applicable, then the date when performance of the Services should have started in the event of alleged non-performance.

6.2. In the event that a Service is proven to be or held by a competent authority to be improperly or inadequately performed by the Company, the Principal's sole and exclusive remedy with respect to such Service shall, at its election, be either (a) that the Company reperforms such Service (or the relevant part thereof), if possible, or (b) to request a refund of the Fees paid to the Company for such Service (or the relevant part thereof).

6.3. Except to the extent of any wilful intent or gross negligence of the Company, the aggregate liability of the Company for Loss under or in connection with the Agreement shall in no circumstances exceed a total aggregate sum, being the lesser of (i) ten (10) times the Fees paid in respect of the specific Service subject of the claim, or (ii) CHF 25,000 (twenty-five thousand Swiss Francs).

6.4. The Company shall not incur any liability (a) for consequential, indirect, unforeseeable, punitive or derivative damages including loss of profits, loss of future businesses, loss of production, loss of data, cost of product recall, additional financial costs and/or cancellation of contracts concluded by the Principal or (b) to the extent of any fraud, negligence or misconduct by or on behalf of the Principal or by any third party.

6.5. The Company shall not incur any liability for any Loss arising from the claim of a third party that may be incurred by the Principal and the Principal shall defend, indemnify and hold harmless the Company from and against any actual or threatened claim for Loss made by a third party against the Company or its employees, agents or subcontractors and relating to (a) the performance, or purported performance or alleged non-performance of Services, or (b) the content of any Deliverable issued by the Company (c) the Principal's misrepresentation, gross negligence, breach of Agreement or breach of any applicable law in any way relating to the Services or Offer.

6.6. The Principal acknowledges and agrees that the Company as specified in the Offer is a separate legal entity and in no event shall any other entity of the Cotecna group be jointly and severally liable for any actions of, or in relation to Services provided by, the Company.

6.7. When Fees are due to the Company in respect of two or more Services and the Principal puts forward a claim for one of such Services, the Fees will remain due for the uncontested part of the Services.

6.8. In the event that the Company is prevented by a force majeure event from performing part or all of the Services (in particular without limitation, natural disasters, armed conflicts, economic sanctions and pandemics), it will be released from any liability for the partial or total non-performance of the Services and entitled to invoice the Principal for i) all the expenses actually incurred and ii) a proportional share of the Fees agreed upon for the Service actually rendered.

6.9. Upon written notice to the Principal, the Company may terminate the Services immediately at its convenience without any liability, for any actual or suspected breach of Agreement, breach of applicable law or misrepresentation by the Principal, in the Company's sole reasonable opinion.

7. AMENDMENTS AND MODIFICATIONS

7.1. Subject to clause 1.1., any valid modification or amendment of any of the clauses of the GTC must be effected in writing and signed by a person duly authorized by the Company.

7.2. If one or more provisions of the GTC should prove to be illegal or inapplicable for whatever reason, the validity and application of the other provisions shall not be affected.

8. APPLICABLE LAW AND SETTLEMENT OF DISPUTES

8.1. Any Offer, the GTC and any Agreement are governed and construed according to Swiss law.

8.2. In the event of a dispute, controversy or claim, the parties may enter into good faith discussions to settle the dispute, controversy or claim amicably. Any of the parties may proceed to arbitration after 30 days from the date of the written request to settle the dispute amicably, should the period not be mutually extended or should either of the parties decline or fail to participate in such discussions.

8.3. Subject to clause 8.2, any dispute, controversy or claim, arising out of, or in relation to an Offer the GTC or an Agreement, including its or their validity, invalidity, breach or termination, shall be finally settled in accordance with the Swiss Rules of International Arbitration of the Swiss Arbitration Centre in force on the date when the notice of arbitration was submitted in accordance with said Rules. The number of arbitrators shall be three (3), unless the litigious value is below 1 million CHF, in which case there will be one (1) arbitrator only. The seat of the arbitration shall be Geneva, Switzerland. The arbitral proceedings shall be conducted in English language.

9. DATA PROTECTION, PRIVACY, CONFIDENTIALITY AND PUBLICITY

9.1. Each party to the Agreement shall comply with applicable data protection legislation. The Principal shall in particular ensure that the Company has all rights and consents to process all data received from the Principal. Further information is available at https://www.cotecna.com/en/privacy-policy.

9.2. Each party to the Agreement agrees to maintain in confidence confidential information disclosed to it by the other party in compliance with applicable law, and, subject to clause 3.3, such confidential information shall include any Deliverable.

9.3. Use or display by the Principal of the Company's name, logo, trademark or other proprietary information for any purpose, including advertising, is not permitted, without the prior written consent of the Company.

10. COMMUNICATION

Subject to clause 6.1, communications between the Principal and the Company during the performance of Services shall be deemed to be properly given only when sent by post, courier, hand delivery or email to the other party's previously notified email address, to the exclusion of all other communication means. In particular, any communication by the Company via phone or instant messaging application shall have to be confirmed by email in order to be considered effective.

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