REACH Declaration Letter

Item No. : MH02

Description: Hammer Multitool

Declaration of Compliance

We, the supplier of the above mentioned product, base on these test reports (for aluminium, stainless steel and plastic),
Test reports No.: CANEC24000221901
CANEC24000221903
CANEC24000221905
hereby certify that the supplied product has REACH standard.

Signature of Authorized Company Representative with Company Chop

Date : Feb 8,2024

Verificate of Conformity

Certificate No.: 17ZCTS1124002LC

Applicant	:	**REITER POLSKA SP.Z.O.O.**
Address	:	UL. WODZIREJOW 5A,02-824 CPT, WARSZAWA, POLAND.
Manufacturer	:	
Address	:	
Product	:	**Hammer Multi-tool**
Brand Name	:	**N/A**
Model No.	:	**MH02-BL**

Requirement	Applied Standards	Document Evidence	Result
LVD Standards	ISO 8442-5:2004 BS ISO 5745:2004	Test Report: 17ZCTS1124002LR	Conform

CE

Tomy

Nov. 30, 2017

Remark: This Certification of Conformity has been issued on a voluntary basis. ZCT confirms that a Technical Construction File (TCF) is existent for the above listed product(s). The TCF satisfactorily covers the essential requirements of the above listed Directive(s).
Other relevant Directives have to be observed in case they are applicable.
This Document is only valid for the equipment and configuration described and in conjunction with the TCF detailed above. Whereas the Manufacturer is responsible of the certification of the product(s) and not exempted to perform all the necessary activities before placing the product(s) on the market.
The Manufacturer is also responsible of the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Directive(s).
It is recommended that the product bear the CE mark, the notified body number(s) as depicted to the right, only when all the essential requirements have been met, and has been filed with the European Commission. This certificate can be checked for validity at **www.renzhengjiance.com**

Shenzhen ZCT Technology Co., Ltd.
3/F.,Building 5, Hongsheng Industrial Zone, Bao'an Road, Xixiang Street,Bao'an District, Shenzhen, Guangdong, China.
✆ : 400-669-6965 ✆ : 86-755-23702323, ✉ : admin@renzhengjiance.com, e : http://www.renzhengjiance.com.

TEST REPORT
ISO 8442-5 & BS ISO 5745:2004
Materials and articles in contact with foodstuffs - Cutlery and table holloware – Part 5: Specification for sharpness and edge retention test of cutlery &Pliers and nippers - Pliers for gripping and manipulating - Dimensions and test values

Report Reference No. ..... :	17ZCTS1124002LR
Tested by (printed name and signature) :	Kevin Yang
Checked by (printed name and signature) ..... :	King Hu
Date of issue..... :	Nov. 27, 2017
Testing Laboratory ..... :	**Shenzhen ZCT Technology Co., Ltd.**
Address..... :	3F, 5th Building, Hongsheng Industrial Zone, No.4336 Bao'an Road, Bao'an District, Shenzhen, China
Testing procedure ..... :	Commission Test
Applicant's name ..... :	REITER POLSKA SP.Z.O.O.
Address :	UL. WODZIREJOW 5A,02-824 CPT, WARSZAWA, POLAND
Manufacturer's name..... :	
Address..... :	
Factory's name..... :	Same as applicant
Address ..... :	
Test specification:	
Standard..... :	☒ ISO 8442-5:2004; BS ISO 5745:2004
Test procedure..... :	Commission Test
Non-standard test method..... :	N/A
Test Report Form No. ..... :	
TRF Originator ..... :	BD
Master TRF ..... :	Dated 2013-05
Test item description ..... :	Hammer Multi-tool
Trademark..... :	-
Model ..... :	MH02-BL
Parameter ..... :	-

Version

Version Record				
Version	Chapter	Date	Modifier	Remark
00		Nov. 27, 2017		Original

Copy of marking plate: **Hammer Multi-tool** Model MH02-BL
Summary of testing: The submitted samples were tested and found to **COMPLY WITH** all clauses of EN ISO 8442-5:2004&BS ISO 5745:2004
Test Report Content This test report consists of: Main report Annex I: Photo Documentation,**1** page(s)

Test item particulars:

Test case verdicts:	
Test case does not apply to the test object …:	N/A
Test object does meet the requirement ……..:	Pass (P)
Test object does not meet the requirement ..:	Fail (F)

Testing:	
Date of receipt of test item ……..:	Nov. 10, 2017
Date(s) of performance of test ……..:	Nov. 10, 2017 to Nov. 27, 2017

General remarks:

The test results presented in this report relate only to the item(s) tested.

This report shall not be reproduced, except in full, without the written approval of the testing laboratory.

"(see remark #)" refers to a remark appended to the report.

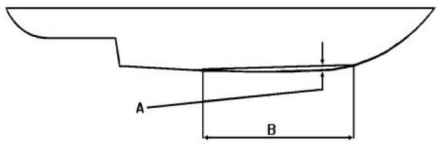
"(see Annex #)" refers to an annex appended to the report.

"(see appended table)" refers to a table in the Test Report.

Throughout this report a comma (point) is used as the decimal separator.

Description of product:
Hammer Multi-tool , Model MH02-BL

Remarks:

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
3	**Testing**		-
3.1	**General**		-
	When tested in accordance with the test method of clause 7 each type of knife shall conform to 3.2 to 3.4.		P
	This test shall be carried out before any other physical or mechanical test so that edge performances are assessed in the “as received” condition.		P
3.2	**Test length**		-
	The portion of the cutting edge of the blade to be tested (see 3.3) shall be straight except for a maximum deviation (positive or negative, not both) of 1 mm.		P
	In the case of type “ B “ edges the shape of the blade is considered to be the underlying profile on which the detail is superimposed (see Figure 2).		P
			P
	Key		P
	A Max. deviation from straight (shown positive)		P
	B Stroke length		P
	Figure 2 — Blade to be tested		P
3.3	**Test conditions**		-
	The same test is applied to both types of knives but the duration for the purpose of establishing cutting edge retention is determined by the type of edge.		P
	Test parameters are given in Table 1.		P

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict

Table 1 — Cutting test parameters

Blade edge Type	Test load N	Stroke Length (mm)	Nominal cutting speed (mm/s)	Total no. Cutting cycles (F)
A	50	40	50	60
B	50	40	50	200

3.4	**Cutting performance**		-
	When tested in accordance with clause 7 the minimum initial cutting performance (ICP) and cutting edge retention (CER) shall conform to the performance levels specified in Table 2.		P

Table 2 — Performance levels

Blade edge type	Minimum ICP mm	Minimum CER (TCC) mm
A	50	150
B	50	1500

4	**Principle**		-
	Performance of the blade in terms of distance cut through the medium on each cycle is measured throughout the duration of the test, which is designed to accelerate wear of the knife blade over a short period.		P
	Blades shall cut an adequate amount of medium to complete the test and the two cutting performance indicators ICP and CER are calculated in accordance with clause 8 from the accumulated data		P
5	**Test medium**		-
	A specially developed chemical pulp is produced in the form of sheets of card containing a controlled amount of abrasive material i.e. quartz.		P

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
	This card shall be pure chemical soda pulp without any other chemical additive except for the addition of silica in the proportion of (5 ± 0,5) % by weight.		P
	The properties of the quartz shall conform to Tables 3 to 5.		P
	The quartz shall have the percentage composition of chemical elements specified in Table 3.		P

Table 3 — Composition of silica abrasive

Compound	**Composition** %
SiO_2	99
Fe	0,013
Al_2O_3	0,22
MgO	Nil
Alkalines	Nil

The grain size distribution of quartz shall be as specified in Table 4.

Table 4 — Grain size distribution of silica - C 400

Grain size µm	**Composition** *(in weight)* %
>50	0,2
> 30	4,7
> 20	15
>16	2
>12	11
>10	10
>8	7
>6	9
>4	12
>2	29

	To satisfy the test arrangement the card is cut into 10 mm wide strips (with the fibres of the card grain flowing across the strip) and compiled into a pack		P

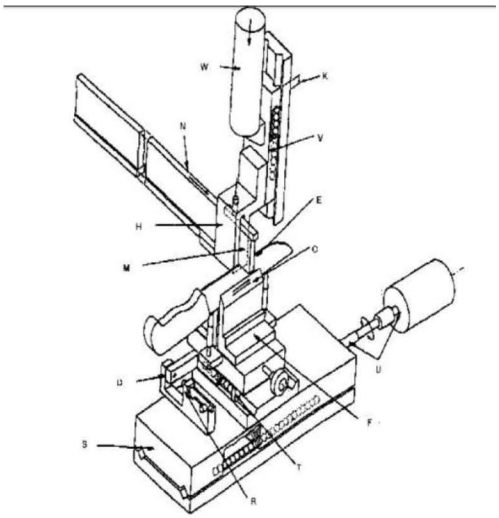
ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
	maximum 50 mm deep when clamped under pressure (130 ± 2,5) N in a holder as shown in Figure 3.		
	The physical properties of each strip shall be as specified in Table 5.		P

Table 5 — Physical properties

Thickness mm	Weight g/m^2	Strip (pack) width mm
0,31 ± 0,02	200 ± 10	10,0±0,1

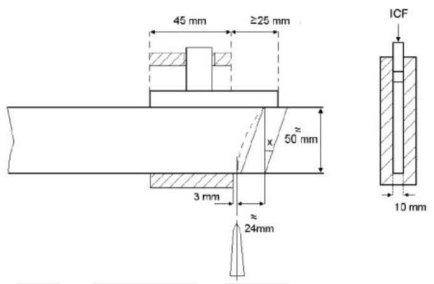
	Before use, the test medium shall be conditioned in a controlled atmosphere of (55 ± 5) % relative humidity at (20 ± 2) °C for a period of 24 h.		P
	The card shall be open to this atmosphere and used within 4 h of removal from it.		P
6	**Apparatus**		-
	NOTE A suitable apparatus for performing the cutting test is shown in Figure 3 and comprises the elements of 6.1 to 6.6.		P
6.1	**Card strip holder**		-
	A rigid holder with a 10 mm wide aperture to hold the strips of card (max. 50 mm deep).		P
	The holder shall provide sideways restraint against the cutting force of the knife and also a support bar above the card, which protrudes, from the holder to provide the reaction against the 50 N test load throughout the test.		P
	The card pack shall be clamped by a force of (130 ± 2,5) N on the inboard side of the cutting line and any cut card shall be allowed to fall away freely (see also Figure 4).		P
6.2	**Counterbalance arrangement**		-
	An arrangement of add-on or counterbalance		P

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
	weights, which in conjunction with the card and holder, vertical slide element and all its fittings shall result in a total vertical static load at the interface between card and blade of 50 $^{20+}$ N(average over the working range) at the start of each new test.		
6.3	**Blade fixture**		-
	A fixture, which holds the blade and presents the cutting edge uppermost and provides support against the test load and also a means of easy levelling of the test lengths.		P
	The centre line through the section of the blade shall be vertical.		P
	When held in the fixture, the blade edge shall be capable of cutting through the 50 mm of card cleanly without any undue frictional influences excepting that from the blade's sharpened bevel against the face of the uncut card.		P
	The blade edge shall be prevented from coming into contact with the metal support bar by means of an independent depth stop.		P
6.4	**Transverse blade slide unit**		-
	A transverse frictionless slide unit, on which the blade fixture shall be mounted to reduce the influence of friction forces between the blade's sharpened bevel and face of the uncut card.		P
	This will allow movement of the blade away from the card holder during the cutting strokes, normal to the direction of the cutting strokes.		P
	At the beginning of the first stroke through each 50 mm block of card the point at which the blade starts its cut shall be (3 ± 0,2) mm away from the edge of the card holder/clamp.		P
	The end of the card pack should be straight and aligned to an approximate angle of 20° to the		P

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
	vertical to allow an approximately equal length of card beyond the cutting point.		
6.5	**Longitudinal blade slide unit**		-
	A longitudinal frictionless slide table, which provides the motion to the blade in the direction of the cutting strokes.		P
	This shall have a drive system which is capable of producing a nominal 50 mm/s cutting speed, which is achieved by maintaining a more or less constant speed of 50 mm/s over at least 90 % of the specified stroke, with rapid acceleration and deceleration at the ends.		P
	This parameter will be verified over several non-cutting cycles and the result shall be (45 ± 0,5) mm/s average speed.		P
	The stroke shall also be repeatable within (45 ± 0,5) mm/s average and verified over several non-cutting cycles of the table.		P
6.6	**Card cut amount transducer**		-
	A displacement transducer, capable of measuring the depth of cut through the pack of card on each cutting cycle, with a minimum resolution of 0,1 mm (i.e. 1/3 card thickness).		P
			-

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
	Key		

C	Cutting strokes	N	Medium feed forwards
D	1'" cut dalum	R	Retaining clamp
E	Test blade	s	Longitudinal slide
F	C omp onent fixture	T	Transv erse slide
H	Medium holder	u	Motor & b allscrew drive mechanism
K	Depth of cut measured by slide travel	V	Vertical slide
M	Medium	W	Additionaltest weight

	Figure 3 — Schematic arrangement of suitable test apparatus		-
			-
	No test shall be performed within 25 mm of the start of the new pack.		-
	Key		-
	x ≅ 20°		-
	ICF Independent clamping force (130 ± 2,5) N		-
	Figure 4 — Arrangement of test medium clamp and blade presentation		-
7	**Test procedure**		-
	Determine the portion of the blade (50 mm = 40 mm stroke + 10 mm test card width) which meets the straightness criterion (± 1 mm deviation over the stroke length of 40 mm) and mark with a suitable marker.		P
	Mount the blade (edge uppermost) in the fixture and set the length		P

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
	to be tested level to within 0,5 mm at either end.		
	Load the apparatus with the test card and weights which combine to give the required 50 N test load (in the static condition) at the start of a new test.		P
	Clamp the card in the holder with approximately 24 mm protruding and lower the assembly until the protruding medium rests on the edge of the blade and the position of contact is 3 mm from the clamped edge.		P
	Release any retaining clamp on the transverse slide and move the blade in forwards and backwards cutting strokes of 40 mm with the test card contacting the cutting edge of the blade throughout the whole cycle.		P
	Measure the depth of cut through the card pack at the end of each cutting cycle.		P
	Do not allow the blade cutting edge to contact the metal support bar.		P
	When more card is required, lift the card pack off the blade and feed forwards the whole pack by approximately 3 mm.		P
	Return the transverse slide back to the starting position with respect to the card clamped edge and carry out more cutting strokes.		P
	Record the depth of cut on each cutting cycle, repeating until the predetermined number of cycles is completed for that type of blade.		P
	Tabulate the results showing cumulative card cut as per the example in Table 6.		P

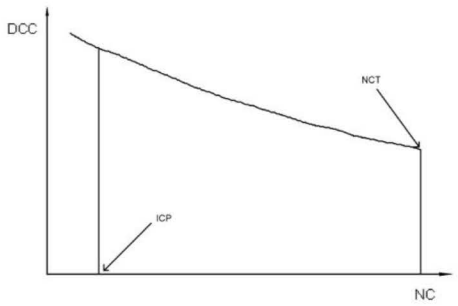
Table 6 — Method of recording results (example)

Cycle no. (x)	Depth of card cut (mm)	
	Per cycle Y(f)	Cumulative z(f)
1	34,8	34,8
2	26,5	61,3

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict

3	23,6	84,9
4	21,1	106,0
5	18,2	124,2
6	17,7	141,9
7	16,2	158,1
8	14,6	172,7
9	13,9	186,6
10	11,1	197,7
f	Y(f)	Z(f)

	$z_{(x)} = z_{(x-1)} + y_{(x)}$		-
	where f Final cycle number		-
	Type A blades: 60 cycles		-
	Type B blades: 200 cycles		-
	$z_{(f)}$ TCC - Total card cut over completed test		-
8	**Expression of results**		-
	Whilst the plotting of the results graphically is not essential to the calculation of the performance indicators, a typical performance curve would be as shown in Figure 5 with the axes as follows:		P
	X axis: Cutting cycles (up to the limiting number of cycles - 60 type A, 200 type B);		P
	Y axis: Depth of card cut per cycle (mm).		P
	The initial cutting performance ICP is determined by adding together the card cut (in mm) during the initial 3 cycles.		P
	ICP = $z_{(3)}$		P
	The cutting edge retention is determined by the total card cut during the complete test.		P
	CER = TCC = $z_{(f)}$		P

ISO 8442-5			
Clause	Requirement – Test	Result	Verdict
			P
	Key		P
	DCC Depth of card cut per cycle (mm)		P
	ICP Initial cutting performance – Cumulative depth of card cut after 3 cycles		P
	NC Number of cycles		P
	NCT Limiting number of cycles for test		P
	Figure 5 — Typical performance of a knife on test		P

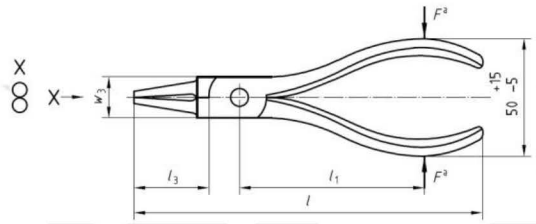
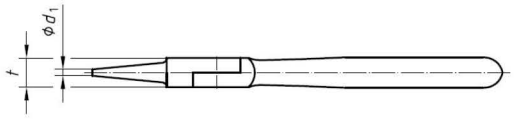
BS ISO 5745			
Clause	Requirement – Test	Result	Verdict
3	**Dimensions and test values**		-
3.1	**Round nose pliers for gripping and manipulating**		-
	The principal dimensions for round nose pliers for gripping and manipulating are shown in Figure 1 and given in Table 1.		P
	Round nose pliers shall be tested in accordance with ISO 5744.		P
	After the load test, the permanent set s shall not exceed the value given in Table 2.		P
	If distance $l1$ is not suitable for the load test, the formula given in ISO 5744:2004, 4.2 shall be used.		P
	Dimensions in millimeters		P
			P
			P
	a F = Load applied in load test.		P
	Figure 1 — Round nose pliers for gripping and manipulating		P

Table 1 — Round nose pliers for gripping and manipulating, principal dimensions

Dimensions in millimeters

Length of nose	L	L3	d1 max.	W3 max.	t max.
Short nose	125 ± 6,3	25 0 − 5	2	16	9
	140 ± 8	32 0 − 6,3	2,8	18	10
	160 ± 8	40 0 − 8	3,2	20	11
Long nose	140 ± 7	40 ± 4	2,8	17	9
	160 ± 8	50 ± 5	3,2	19	10
	180 ± 9	63 ± 6,3	3,6	20	11

BS ISO 5745			
Clause	Requirement – Test	Result	Verdict

Table 2 — Round nose pliers for gripping and manipulating, torsion and load test values

Length of nose	nominal length	L1	Torsion test		Load test	
	L, mm	mm	Torque T N. m	Maximum twist αmax	Load F, N	Maximum permanent set s_{max}^{a} mm
Short nose	125	63	0,5	20°	630	1
	140	71	1,0		710	
	160	80	1,25		800	
Long nose	140	63	0,25	25°	630	
	160	71	0,5		710	
	180	80	1,0		800	

S=W1 - W2 (see ISO 5744).

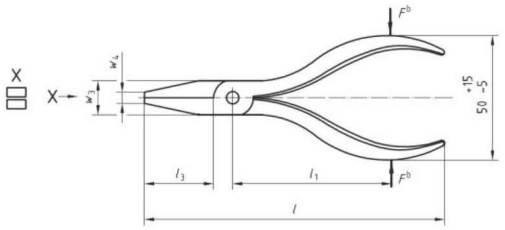
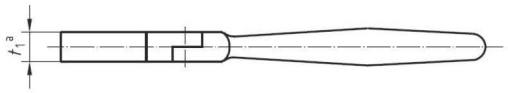
3.2	**Flat nose pliers for gripping and manipulating**		P
	The principal dimensions of flat nose pliers for gripping and manipulating are shown in Figure 2 and given in Table 3.		P
	Flat nose pliers shall be tested in accordance with ISO 5744.		P
	Dimensions in millimeters		P
			P
			P
	a The head may be tapered over the length *l*3.		P
	b F = Load applied in load test.		P
	Figure 2 — Flat nose pliers for gripping and manipulating		P

Table 3 — Flat nose pliers for gripping and manipulating, principal dimensions

Dimensions in millimeters

Length of nose	l	l_3	w_3 max.	w_4 max.	t_1 max.

BS ISO 5745					
Clause	Requirement – Test		Result		Verdict
Short nose	125 ± 6	25 $^{0}_{-5}$	16	3,2	9
	140 ± 7	32 $^{0}_{-6,3}$	18	4	10
	160 ± 8	40 $^{0}_{-8}$	20	5	11
Long nose	140 ± 7	40 ± 4	16	3,2	9
	160 ± 8	50 ± 5	18	4	10
	180 ± 9	63 ± 6,3	20	5	11

	After the load test, the permanent set s shall not exceed the value given in Table 4.		P
	If distance $l1$ is not suitable for the load test, the formula given in ISO 5744:2004, 4.2 shall be used.		P

Table 4 — Flat nose pliers for gripping and manipulating, torsion and load test values

		Torsion test			Load test	
Length of nose	Nominal length L, mm	l1 mm	Torque T, N.m	Maximum twist αmax	Load F, N	Maximum permanent set Smax[a] mm
Short nose	125	63	4	20°	630	1
	140	71	5	20°	710	1
	160	80	6	20°	800	1
Long nose	140	63	—	—	630	1
	160	71	—	—	710	1
	180	80	—	—	800	1

[a] s=W1-W2 (see ISO 5744).

3.3	**Snipe nose pliers for gripping and manipulating**		-
	The principal dimensions for snipe nose pliers for gripping and manipulating are shown in Figure 3 and given in Table 5.		P
	Snipe nose pliers shall be tested in accordance with ISO 5744.		P
	After the load test, the permanent set s shall not exceed the value given in Table 6. If distance $l1$ is not suitable for the load test, the formula given in ISO 5744:2004, 4.2 shall be used. Dimensions in millimeters		P

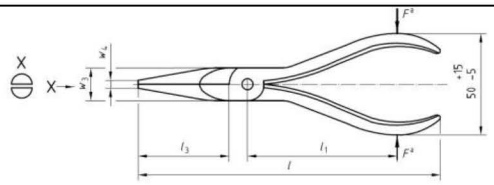
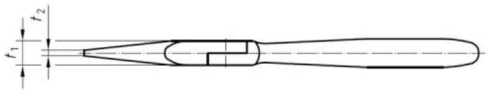
BS ISO 5745			
Clause	Requirement – Test	Result	Verdict
			P
			P
	F = Load applied in load test.		P
	Figure 3 — Snipe nose pliers for gripping and manipulating		P

Table 5 — Snipe nose pliers for gripping and manipulating, principal dimensions

Dimensions in millimeters

l	l_3	w_3 max.	w_4 max.	t_1 max.	t_2 max.
140 ± 7	40 ± 5	16	2,5	9	2
160 ±8	53 ± 6,3	19	3,2	10	2,5
180 ± 10	60 ± 8	20	5	11	3
200 ± 10	80 ± 10	22	5	12	4
280 ± 14	80 ± 14	22	5	12	4

Table 6 — Snipe nose pliers for gripping and manipulating, load test values

		Load test	
Nominal length, L mm	L1, mm	Load F N	Maximum permanent set, smax[a] mm
140	63	630	1
160	71	710	1
180	80	800	1
200	90	900	1
280	140	630	1

[a] $s = w_1 - w_2$ (see ISO 5744).

3.4	**Snipe nose pliers with side cutter for medium hard wire**		-
	The principal dimensions for snipe nose pliers for gripping and manipulating are shown in Figure 4 and given in Table 7.		P
	Dimensions in millimeters		-

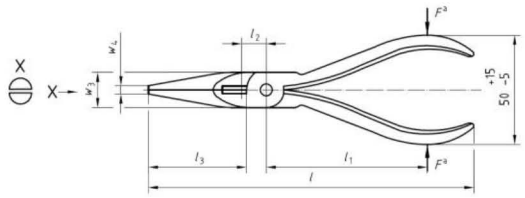
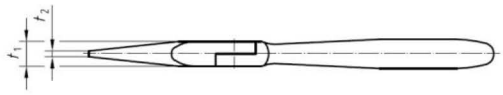
BS ISO 5745			
Clause	Requirement – Test	Result	Verdict
			-
			P
	a F = Load applied in load test or $F1$ force applied in cutting test.		-
	Figure 4 — Snipe nose pliers with side cutter for medium hard wire		-

Table 7 — Snipe nose pliers with side cutter for medium hard wire, principal dimensions

Dimensions in millimeters

l	l_3	w_3 max.	w_4 max.	t_1 max.	t_2 max.
140 ± 7	40 ± 5	16	2,5	9	2
160 ± 8	53 ± 6,3	19	3,2	10	2,5
180 ± 10	60 ± 8	20	5	11	3
200 ± 10	80 ± 10	22	5	12	4

	Snipe nose pliers shall be tested in accordance with ISO 5744.		-
	After the load test, the permanent set s shall not exceed the value given in Table 8. If distance $l1$ is not suitable for the load test, the formula given in ISO 5744:2004, 4.2 shall be used.		-
	The cutting force, $F1$, and the diameter, d, of the test wire shall not exceed the values given in Table 8.		P
	Pliers having a lever ratio differing from the values given in Table 8 shall be checked for compliance using the formula given in ISO 5744:2004, 5.3.2.		P

Table 8 — Snipe nose pliers with side cutter for medium hard wire, dimensions for load and force application, test values

Cutting test	Load test

BS ISO 5745			
Clause	Requirement – Test	Result	Verdict

Nominal length			Diameter of medium hard test wire	Maximum cutting force	Load	Maximum permanent set
l, mm	l1 mm	l2 mm	d[a] mm	$F_{1,\ max}$ N	F N	s_{max}[b] mm
140	63	12,5	1,6	570	630	1
160	71	14	1,6	570	710	1
180	80	16	1,6	570	800	1
200	90	18	1,6	570	900	1

a Data for medium hard test wire are given in ISO 5744. b

s = W1 − W2 (see ISO 5744).

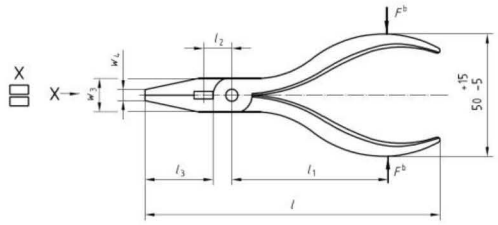
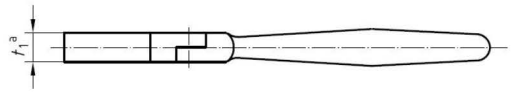
3.5	**Flat nose pliers with side cutter for medium hard wire**		
	The principal dimensions for flat nose pliers for gripping and manipulating are shown in Figure 5 and given in Table 9.		P
	Flat nose pliers shall be tested in accordance with ISO 5744.		P
	Dimensions in millimeters		P
			P
			P
	a The head may be tapered over length *l*3.		P
	b F = Load applied in load test or F_1 force applied in cutting test.		P
	Figure 5 — Flat nose pliers with side cutter for medium hard wire		P

Table 9 — Flat nose pliers with side cutter for medium hard wire, principal dimensions

BS ISO 5745			
Clause	Requirement – Test	Result	Verdict

Dimensions in millimeters

l	l_3	W_3 max.	W_4 max.	t_1 max.
140 ± 7	40 ± 5	16	2,5	9
160 ± 8	53 ± 6,3	19	3,2	10
200 ± 10	80 ± 10	22	5	11

	After the load test, the permanent set s shall not exceed the value given in Table 10. If distance l_1 is not suitable for the load test, the formula given in ISO 5744:2004, 4.2 shall be used.		P
	Pliers having a lever ratio differing form the values given in Table 10 shall be checked for compliance using the formula given in ISO 5744:2004, 5.3.2.		P

Table 10 — Flat nose pliers with side cutter for medium hard wire, dimensions for load and force application, test values

	Cutting test				Load test	
Nominal length l mm	l1 mm	l2 mm	Diameter of medium hard test wire d a mm	Maximum cutting force F1, max N	Load F N	Maximum permanent set smaxb mm
140	63	12,5	1,6	570	630	1
160	71	14	1,6	570	710	1
200	90	18	1,6	570	900	1

a Data for medium hard test wire are given in ISO 5744.

b s = w1 − w2 (see ISO 5744).

4	**Designation**		-
	EXAMPLE 1 Round nose pliers, number 203 in accordance with ISO 5742, with a nominal length, l, of 140 mm and short nose (S) are designated as follows:		P
	Round nose pliers 203 - ISO 5745 - 140 - S		P
	EXAMPLE 2 Flat nose pliers, number 201 in accordance with ISO 5742, with a nominal length, l, of 160 mm and		P

BS ISO 5745			
Clause	Requirement – Test	Result	Verdict
	long nose (L) are designated as follows:		
	Flat nose pliers 201 - ISO 5745 - 160 - L		P
	EXAMPLE 3 Snipe nose pliers, number 202 in accordance with ISO 5742, with a nominal length, *l*, of 180 mm are designated as follows:		P
	Snipe nose pliers 202 - ISO 5745 – 180		P
	EXAMPLE 4 Snipe nose pliers, number 202 in accordance with ISO 5742, with a nominal length, *l*, of 160 mm and with side cutter (C) are designated as follows:		P
	Snipe nose pliers 202 - ISO 5745 - 160 - C		P
	EXAMPLE 5 Flat nose pliers, number 201 in accordance with ISO 5742, with a nominal length, *l*, of 140 mm and with side cutter (C) are designated as follows:		P
	Flat nose pliers 201 - ISO 5745 - 140 - C		P
5	**Marking**		-
	Marking shall be in accordance with ISO 5743.		P

Photo Documentation

Details of: Hammer Multi-tool

View:

[X] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

Details of: Hammer Multi-tool

View:

[X] general

[ ] front

[ ] rear

[ ] right

[ ] left

[ ] top

[ ] bottom

- End of Test Report-

Test Report (SVHC)

No.: CANEC24000221903 **Date:** Jan 10, 2024

Client Name: REITER POLSKA SP.Z O.O

Client Address: EUGENIUSZA ROMERA 4B, 02-784 WARSAW, POLAND

Sample Name: Aluminum

The above sample(s) and information were provided by the client.

SGS Job No.: GZP24-000266

Sample Receiving Date: Jan 03, 2024

Testing Period: Jan 03, 2024 ~ Jan 09, 2024

Test Requested: As requested by client, SVHC screening is performed according to:
(i) Sixty two (62) inorganic substances and additional eleven (11) organic metallic substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 14, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

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

Jessie Li

Jessie-JX Li
Approved Signatory

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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 t (86-20) 82155555 sgs.china@sgs.com

Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Orange surfaced metal + Green surfaced metal + Blue surfaced metal + Grey surfaced metal + Black surfaced metal	A6+A7+A8+A9+A10	CAN24-0002219-0003

Test Method:
With reference to SGS In House method, analysis was performed by ICP-OES.

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86–20) 82155555 www.sgsgroup.com.cn
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 t (86–20) 82155555 sgs.china@sgs.com

Test Results: (Substances in the Candidate List of SVHC)

Batch	Substance Name	CAS No.	001 Concentration (%)	MDL (%)
-	All tested SVHC in Candidate list	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The test result is based on the calculation of selected element(s) and to the worst-case scenario.
** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

Remark: Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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 t (86-20) 82155555 sgs.china@sgs.com

Appendix
Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	Cobalt dichloride*	7646-79-9	0.005
I	2	Diarsenic pentaoxide*	1303-28-2	0.005
I	3	Diarsenic trioxide*	1327-53-3	0.005
I	4	Lead hydrogen arsenate*	7784-40-9	0.005
I	5	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	6	Triethyl arsenate*	15606-95-8	0.005
II	7	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	8	Lead chromate*	7758-97-6	0.005
II	9	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
III	10	Ammonium dichromate*	7789-09-5	0.005
III	11	Boric acid*	-	0.005
III	12	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	13	Potassium chromate*	7789-00-6	0.005
III	14	Potassium dichromate*	7778-50-9	0.005
III	15	Sodium chromate*	7775-11-3	0.005
III	16	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005
IV	17	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	18	Chromium trioxide*	1333-82-0	0.005
IV	19	Cobalt(II) carbonate*	513-79-1	0.005
IV	20	Cobalt(II) diacetate*	71-48-7	0.005
IV	21	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	22	Cobalt(II) sulphate*	10124-43-3	0.005
V	23	strontium chromate*	7789-06-2	0.005
VI	24	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	25	Arsenic acid*	7778-39-4	0.005
VI	26	Calcium arsenate*	7778-44-1	0.005
VI	27	Dichromium tris(chromate)*	24613-89-6	0.005
VI	28	Lead diazide, Lead azide*	13424-46-9	0.005
VI	29	Lead dipicrate*	6477-64-1	0.005
VI	30	Lead styphnate*	15245-44-0	0.005
VI	31	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	32	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	33	Trilead diarsenate*	3687-31-8	0.005
VI	34	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	35	Diboron trioxide*	1303-86-2	0.005
VII	36	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VIII	37	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	38	Acetic acid, lead salt, basic*	51404-69-4	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	39	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	40	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	41	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	42	Lead cyanamidate*	20837-86-9	0.005
VIII	43	Lead dinitrate*	10099-74-8	0.005
VIII	44	Lead monoxide*	1317-36-8	0.005
VIII	45	Lead oxide sulfate*	12036-76-9	0.005
VIII	46	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	47	Lead titanium trioxide*	12060-00-3	0.005
VIII	48	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	49	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	50	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	51	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	52	Silicic acid, lead salt*	11120-22-2	0.005
VIII	53	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	54	Tetraethyllead*	78-00-2	0.005
VIII	55	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	56	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	57	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	58	Cadmium oxide*	1306-19-0	0.005
IX	59	Cadmium	7440-43-9	0.005
X	60	Cadmium sulphide*	1306-23-6	0.005
X	61	Lead di(acetate)*	301-04-2	0.005
XI	62	Cadmium chloride*	10108-64-2	0.005
XI	63	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	64	Sodium peroxometaborate*	7632-04-4	0.005
XII	65	Cadmium fluoride*	7790-79-6	0.005
XII	66	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XVIII	67	Cadmium nitrate*	10325-94-7	0.005
XVIII	68	Cadmium carbonate*	513-78-0	0.005
XVIII	69	Cadmium hydroxide*	21041-95-2	0.005
XIX	70	Disodium octaborate*	12008-41-2	0.005
XIX	71	Lead	7439-92-1	0.005
XXV	72	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXVIII	73	Barium diboron tetraoxide*	13701-59-2	0.005

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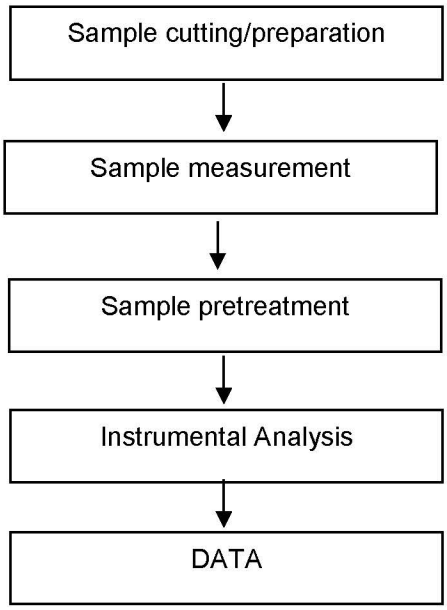
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155555 sgs.china@sgs.com

ATTACHMENTS

Testing Flow Chart



SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Center Chemical Laboratory
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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 t (86-20) 82155555 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Sample photos:

CAN24-0002219-0003

SGS authenticate the photo on original report only

*** End of Report ***

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch Testing Technical Services Chemical Laboratory
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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 t (86-20) 82155555 sgs.china@sgs.com

Test Report (SVHC)

No.: CANEC24000221905 **Date:** Jan 10, 2024

Client Name: REITER POLSKA SP.Z O.O

Client Address: EUGENIUSZA ROMERA 4B, 02-784 WARSAW, POLAND

Sample Name: Plastic

The above sample(s) and information were provided by the client.

SGS Job No.: GZP24-000266

Sample Receiving Date: Jan 03, 2024

Testing Period: Jan 03, 2024 ~ Jan 09, 2024

Test Requested: As requested by client, SVHC screening is performed according to:
(i) Two hundred and thirty-five (235) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 14, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.
(ii) Five (5) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Sep 1, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.
(iii) One (1) potential Substances of Very High Concern (SVHC) in the notification of WTO on Jun 1, 2021.
(iv) Eight (8) potential Substances of Very High Concern (SVHC) in the Intention List published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

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

Jessie Li

Jessie-JX Li
Approved Signatory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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 t (86-20) 82155555 sgs.china@sgs.com

Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Black plastic + Black plastic	A11+A12	CAN24-0002219-0004

Test Method:
With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.

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Test Results: (Substances in the Candidate List of SVHC)

Batch	Substance Name	CAS No.	001 Concentration (%)	MDL (%)
-	All tested SVHC in Candidate list	-	ND	-

Test Results: (Potential SVHC)

Batch	Substance Name	CAS No.	001 Concentration (%)	MDL (%)
/	All tested Potential SVHC	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The test result is based on the calculation of selected element(s) and to the worst-case scenario.
** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium, cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

(4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) ≥0.1% (w/w).

(5) / = Potential SVHC

(6) Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Appendix
Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Acrylamide	79-06-1	0.050
II	18	Anthracene oil**	90640-80-5	0.050
II	19	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	20	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	21	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	22	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	23	Diisobutyl phthalate	84-69-5	0.050
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead chromate*	7758-97-6	0.005
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	27	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050

Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafluorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafluorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafluorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	0.050
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.050
XXI	199	2-methoxyethyl acetate	110-49-6	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050

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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
/	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
/	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	0.050
/	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
/	239	Bumetrizole	3896-11-5	0.050
/	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
/	241	Resorcinol	108-46-3	0.050
/	242	Triphenyl phosphate	115-86-6	0.050
/	243	Octamethyltrisiloxane	107-51-7	0.050
/	244	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
/	245	1,1,1,3,5,5,5-heptamethyltrisiloxane	1873-88-7	0.050
/	246	Decamethyltetrasiloxane	141-62-8	0.050
/	247	Dodecamethylpentasiloxane	141-63-9	0.050
/	248	Hexamethyldisiloxane	107-46-0	0.050
/	249	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050

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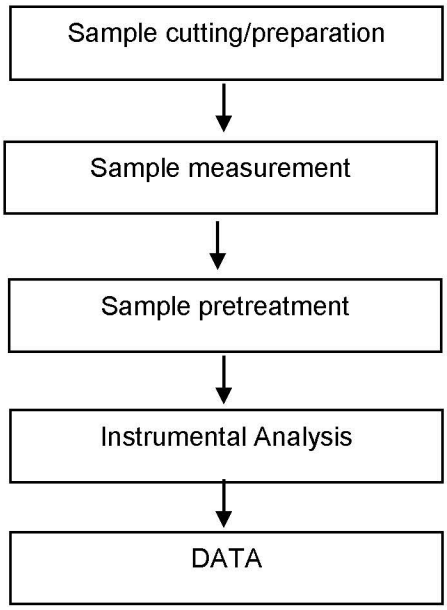
ATTACHMENTS

Testing Flow Chart



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Sample photos:

CAN24-0002219-0004

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*** End of Report ***

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Test Report (SVHC)

No.: CANEC24000221901 **Date:** Jan 10, 2024

Client Name: REITER POLSKA SP.Z O.O

Client Address: EUGENIUSZA ROMERA 4B, 02-784 WARSAW, POLAND

Sample Name: Stainless Steel

The above sample(s) and information were provided by the client.

SGS Job No.: GZP24-000266

Sample Receiving Date: Jan 03, 2024

Testing Period: Jan 03, 2024 ~ Jan 09, 2024

Test Requested: As requested by client, SVHC screening is performed according to:
(i) Sixty two (62) inorganic substances and additional eleven (11) organic metallic substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 14, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	Pass

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

Jessie Li

Jessie-JX Li
Approved Signatory

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 www.sgsgroup.com.cn
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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
   http://echa.europa.eu/web/guest/candidate-list-table
   These lists are under evaluation by ECHA and may subject to change in the future.
2. REACH obligation:
   2.1 Concerning article(s):
   Communication:
   Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

   Notification:
   In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

   Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

   2.2 Concerning material(s):
   Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

   If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

   2.3 Concerning substance and preparation:
   If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
   - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
   - a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
   - a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
(b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
(d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:

Testing Group:

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Silver-grey metal + Silver-grey metal + Silver-grey metal + Black surfaced metal + Black surfaced metal	A1+A2+A3+A4+A5	CAN24-0002219-0002

Test Method:
With reference to SGS In House method, analysis was performed by ICP-OES.

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Test Results: (Substances in the Candidate List of SVHC)

Batch	Substance Name	CAS No.	001 Concentration (%)	MDL (%)
-	All tested SVHC in Candidate list	-	ND	-

Notes:

(1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

(2) RL = Reporting Limit (Test data will be shown if it ≥ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.

(3) * The test result is based on the calculation of selected element(s) and to the worst-case scenario.
** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.

Remark: Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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Appendix
Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	Cobalt dichloride*	7646-79-9	0.005
I	2	Diarsenic pentaoxide*	1303-28-2	0.005
I	3	Diarsenic trioxide*	1327-53-3	0.005
I	4	Lead hydrogen arsenate*	7784-40-9	0.005
I	5	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	6	Triethyl arsenate*	15606-95-8	0.005
II	7	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	8	Lead chromate*	7758-97-6	0.005
II	9	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
III	10	Ammonium dichromate*	7789-09-5	0.005
III	11	Boric acid*	-	0.005
III	12	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	13	Potassium chromate*	7789-00-6	0.005
III	14	Potassium dichromate*	7778-50-9	0.005
III	15	Sodium chromate*	7775-11-3	0.005
III	16	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005
IV	17	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	18	Chromium trioxide*	1333-82-0	0.005
IV	19	Cobalt(II) carbonate*	513-79-1	0.005
IV	20	Cobalt(II) diacetate*	71-48-7	0.005
IV	21	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	22	Cobalt(II) sulphate*	10124-43-3	0.005
V	23	strontium chromate*	7789-06-2	0.005
VI	24	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	25	Arsenic acid*	7778-39-4	0.005
VI	26	Calcium arsenate*	7778-44-1	0.005
VI	27	Dichromium tris(chromate)*	24613-89-6	0.005
VI	28	Lead diazide, Lead azide*	13424-46-9	0.005
VI	29	Lead dipicrate*	6477-64-1	0.005
VI	30	Lead styphnate*	15245-44-0	0.005
VI	31	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	32	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	33	Trilead diarsenate*	3687-31-8	0.005
VI	34	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	35	Diboron trioxide*	1303-86-2	0.005
VII	36	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VIII	37	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	38	Acetic acid, lead salt, basic*	51404-69-4	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	39	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	40	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	41	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	42	Lead cyanamidate*	20837-86-9	0.005
VIII	43	Lead dinitrate*	10099-74-8	0.005
VIII	44	Lead monoxide*	1317-36-8	0.005
VIII	45	Lead oxide sulfate*	12036-76-9	0.005
VIII	46	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	47	Lead titanium trioxide*	12060-00-3	0.005
VIII	48	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	49	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	50	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	51	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	52	Silicic acid, lead salt*	11120-22-2	0.005
VIII	53	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	54	Tetraethyllead*	78-00-2	0.005
VIII	55	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	56	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	57	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	58	Cadmium oxide*	1306-19-0	0.005
IX	59	Cadmium	7440-43-9	0.005
X	60	Cadmium sulphide*	1306-23-6	0.005
X	61	Lead di(acetate)*	301-04-2	0.005
XI	62	Cadmium chloride*	10108-64-2	0.005
XI	63	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	64	Sodium peroxometaborate*	7632-04-4	0.005
XII	65	Cadmium fluoride*	7790-79-6	0.005
XII	66	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XVIII	67	Cadmium nitrate*	10325-94-7	0.005
XVIII	68	Cadmium carbonate*	513-78-0	0.005
XVIII	69	Cadmium hydroxide*	21041-95-2	0.005
XIX	70	Disodium octaborate*	12008-41-2	0.005
XIX	71	Lead	7439-92-1	0.005
XXV	72	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXVIII	73	Barium diboron tetraoxide*	13701-59-2	0.005

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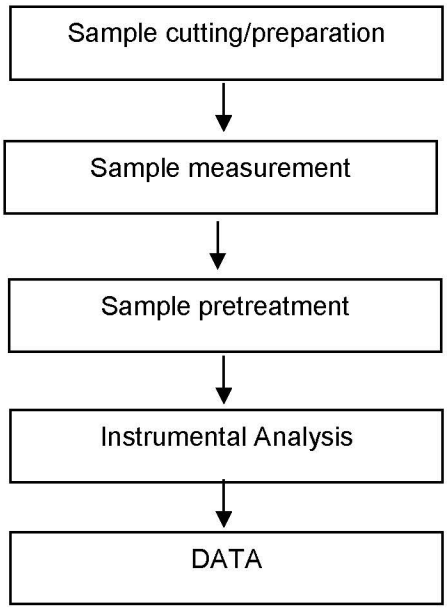
ATTACHMENTS

Testing Flow Chart



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Sample photos:

CAN24-0002219-0002

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