



RoHS TEST REPORT

Test Report No.: SP1001GZ2405709

PV Switch-disconnector
GDSC100R-DB32R/GDSC100R-EL32R

ZHEJIANG GEYA ELECTRICAL CO., LTD

**Wenzhou Brige Industrial Zone,
Beibaixiang Town, Yueqing City, Zhejiang Province**

Date of Report: May 26, 2024

Sapo Certification & Testing Laboratory Limited

Web: www.sapo.org.uk

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Client: Zhejiang GEYA Electrical Co., Ltd

Address: Wenzhou Brige Industrial Zone, Beibaixiang Town, Yueqing City, Zhejiang Province

Trademark: **GEYA**[®]

Test item(s): PV Switch-disconnector

Model : GDSC100R-DB32R/GDSC100R-EL32R

Sample Receiving date: 2024-05-09

Testing Period: 2024-05-09–2024-05-23

Test specification:

Test result:

Overall results according to tests performed

PASS

Based on the performed tests on submitted samples, the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

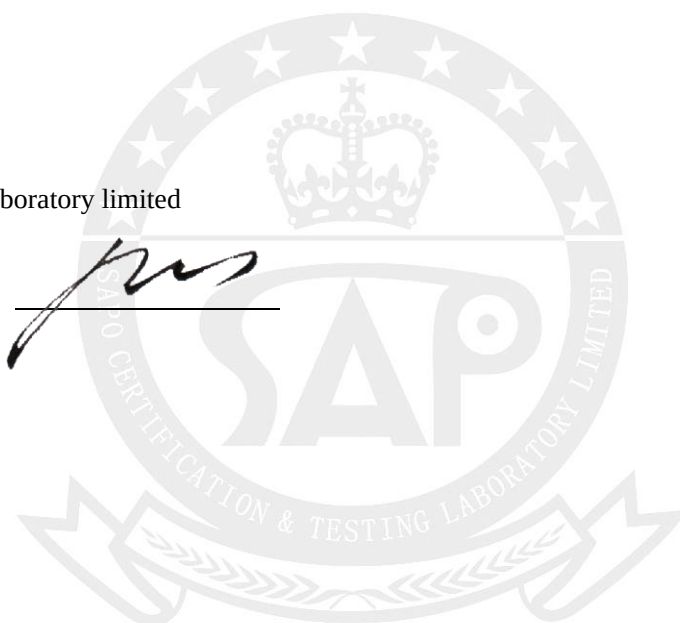
Signed for SAPO certification & testing laboratory limited

Authorized by:

May 23, 2024

Randy Wan

Chief Assessor



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Confirmation Test by Wet Chemistry

Test Method:

With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Part Description :

Specimen No.	Description
NO.01	Bottom case (White)
NO.02	Loam cake (White)
NO.03	Switch bottom shell (White)
NO.04	Switch cover (White)
NO.05	Limit plate (White)
NO.06	The shaft box (White)
NO.07	Axle Sleeve 1 (White)
NO.08	Shell 1 (White)
NO.09	Shell 2 (White)
NO.10	Shell 3 (White)
NO.11	Shell 4 (White)
NO.12	Shell 5 (White)
NO.13	Shell 6 (White)
NO.14	Sealing gasket (Gray)
NO.15	Axle Sleeve 2 (White)
NO.16	Baffle 1 (White)
NO.17	Baffle 2 (Gray)
NO.18	Sealing ring (White)
NO.19	Contact holder (Black)
NO.20	Contact (Yellow)
NO.21	Handle (Black)
NO.22	Sealing plate (Black)
NO.23	Shell 7 (Red)
NO.24	Fixed card (Red)
NO.25	Limiting device (White)
NO.26	Axle (Silvery)
NO.27	Screw 1 (Silvery)
NO.28	Terminal post (Silvery)
NO.29	Screw 2 (Silvery)
NO.30	Spring 1 (Silvery)
NO.31	Spring 2 (Silvery)
NO.32	Torsion spring (Silvery)
NO.33	Limit card (Silvery)



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Test Part Description :

Specimen No.

Description

NO.34

Terminal 1 (Silvery)

NO.35

Terminal 2 (Silvery)

NO.35

Magnet (Silvery)



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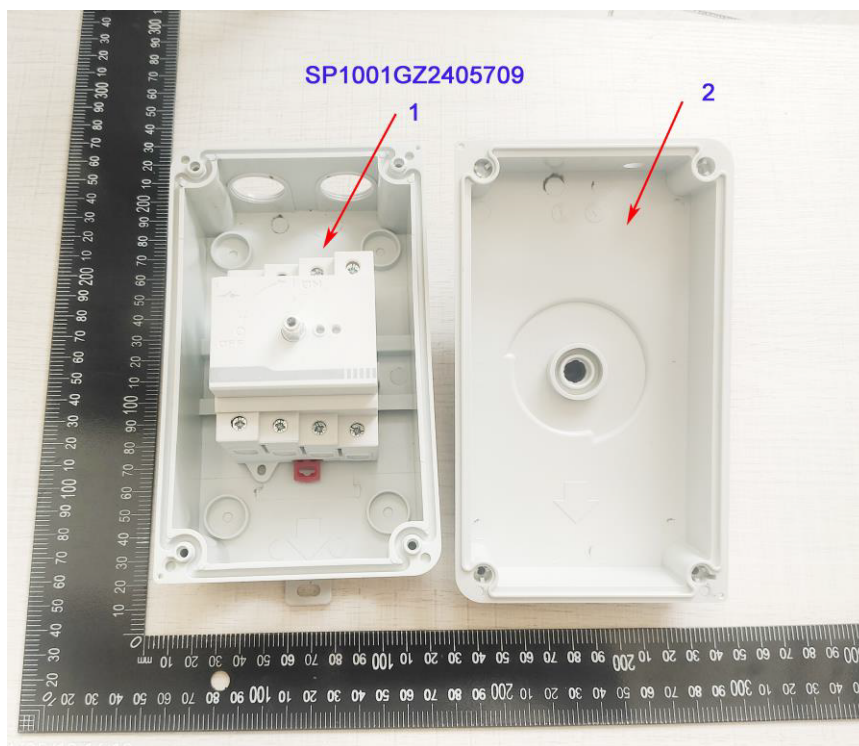
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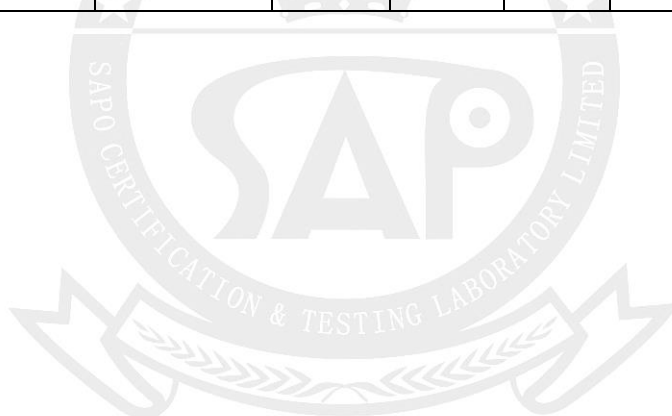
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Test Results .:

Sample Photo:NO.01-02



Material No.	Result (mg/kg)								
	Cd	Pb	Cr	Hg	Br	DBP	BBP	DEHP	DIBP
	Limit(mg/kg)								
	100	1000	Cr(VI): 1000	1000	PBB:1000 PBDE:1000	1000	1000	1000	1000
1(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.



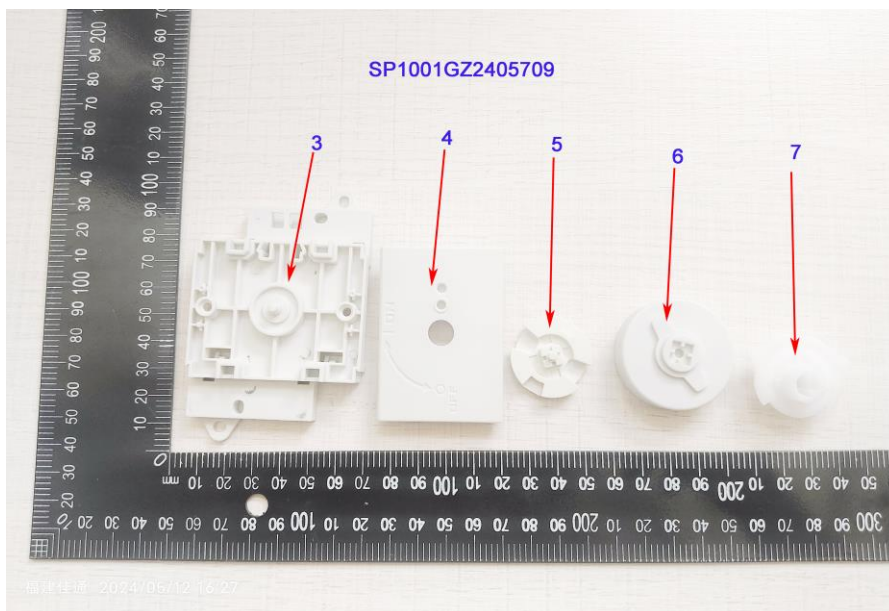
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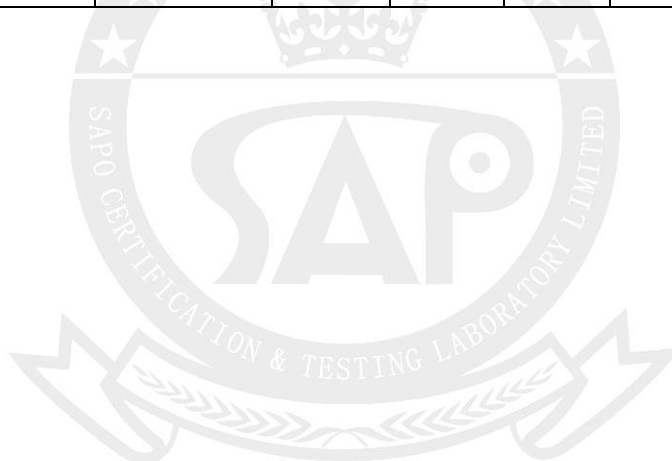
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Sample Photo:NO.03-07



Material No.	Result (mg/kg)								
	Cd	Pb	Cr	Hg	Br	DBP	BBP	DEHP	DIBP
	Limit(mg/kg)								
	100	1000	Cr(VI): 1000	1000	PBB:1000 PBDE:1000	1000	1000	1000	1000
3(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
7(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.



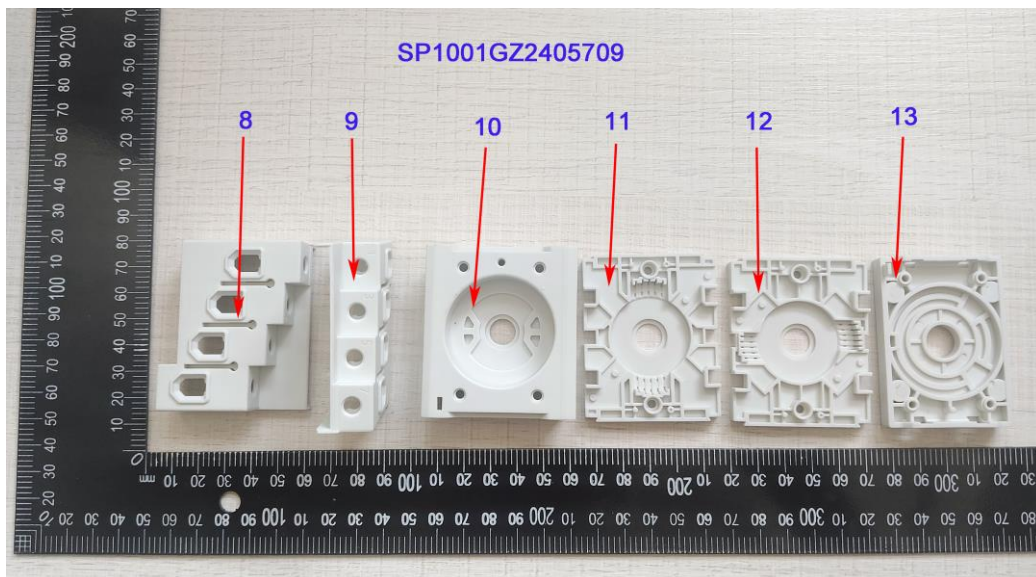
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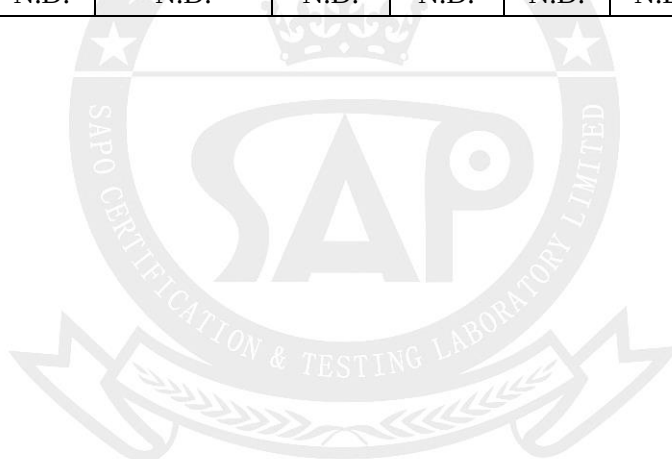
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Sample Photo:NO.08-13



Material No.	Result (mg/kg)								
	Cd	Pb	Cr	Hg	Br	DBP	BBP	DEHP	DIBP
	Limit(mg/kg)								
	100	1000	Cr(VI): 1000	1000	PBB:1000 PBDE:1000	1000	1000	1000	1000
8(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
9(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
11(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
12(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
13(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.



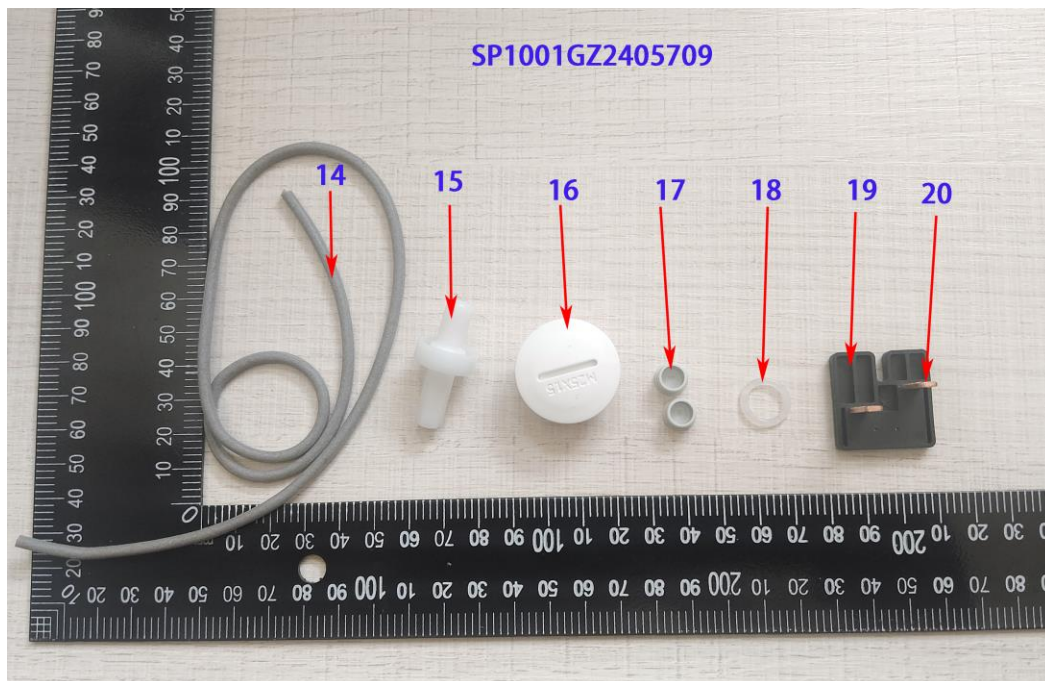
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Sample Photo:NO.14-20



Material No.	Result (mg/kg)								
	Cd	Pb	Cr	Hg	Br	DBP	BBP	DEHP	DIBP
	Limit(mg/kg)								
	100	1000	Cr(VI): 1000	1000	PBB:1000 PBDE:1000	1000	1000	1000	1000
14(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
15(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
16(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
17(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
18(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
19(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20(Copper)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

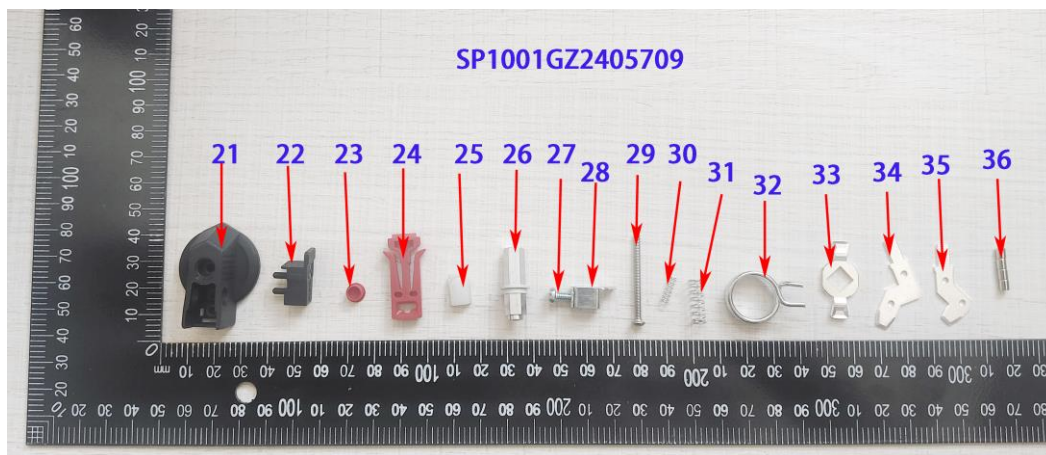
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Sample Photo:NO.21-36



Material No.	Result (mg/kg)								
	Cd	Pb	Cr	Hg	Br	DBP	BBP	DEHP	DIBP
	Limit(mg/kg)								
	100	1000	Cr(VI): 1000	1000	PBB:1000 PBDE:1000	1000	1000	1000	1000
21(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
22(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
23(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
24(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
25(Plastic)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
26(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
27(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
28(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
29(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
30(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
31(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
32(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
33(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
34(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
35(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
36(Metal)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.



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Abbreviation:

Pb	denotes Lead
Cd	denotes Cadmium
Hg	denotes Mercury
Cr	denotes Chromium Cr(VI) denotes Chromium(VI)
PBBs	denotes Total Polybrominated Biphenyls
PBDEs	denotes Total Polybrominated Diphenyl Ethers
DBP	denotes Dibutyl phthalate
BBP	denotes Butyl benzyl phthalate
DEHP	denotes Bis(2-ethylhexyl) phthalate
DIBP	denotes Diisobutyl phthalate
N.D.	denotes Not Detected (< MDL) .
MDL	denotes Method Detection Limit
N.A.	denotes Not Applicable

General remark:

1. The test is sub-contracted to a laboratory which complies with the requirement of ISO/IEC 17025:2017
2. Selected test(s) as requested by client



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Complete Sample:
DS1-32EL



DS1-32



***** End of Report *****