



TEST REPORT

Report No. : (8225)947-0003-001

Date Issued : 2025. 01. 24

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Company Name : DSR corp.

Address : 75, Chonamgongdan-gil, Gwangyang-eup, Gwangyang-si, Jeollanam-do

Sample Description

Name / Type of Product : Stainless steel wire 420F

Item No. / Part No. : -

Material/Color : -

Manufacturer/Vendor : -

Date Received : 2025. 01. 21

Test Period : 2025. 01. 21 ~ 2025. 01. 24

Test Type : Wet chemical analysis for restricted substances.

Test Site : Fixed Test Lab (RM908~915 126, Beolmal-ro, Dongan-gu, Anyang-si)

Test Method(s) : For the detail, please the following page(s).

Test Results(s) : For the detail, please the following page(s).



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Authorized by

Bureau Veritas Korea Co., Ltd.
Consumer Product Services

JIN KIM

Lab Manager / Bureau Veritas Korea CPS

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TEST RESULT

Heavy Metals

Test Item	Test Method	Unit	MDL	Result
Lead (Pb)	With reference to International Standard IEC 62321-5: 2013, Determined by ICP-OES.	mg/kg	5	ND
Cadmium (Cd)		mg/kg	0.5	ND
Mercury (Hg)	With reference to International Standard IEC 62321-4: 2013 +AMD1:2017CVS, Determined by ICP-OES.	mg/kg	2	ND
Chromium VI (Cr VI)*	With reference to International Standard IEC 62321-7-1 2015, Determined by UV-Vis.	µg/cm ²	-	Negative

Flame Retardants-PBBs/PBDEs

Monobromobiphenyl	With reference to International Standard IEC 62321-6: 2015, Determined by GC-MS.	mg/kg	5	ND
Dibromobiphenyl		mg/kg	5	ND
Tribromobiphenyl		mg/kg	5	ND
Tetrabromobiphenyl		mg/kg	5	ND
Pentabromobiphenyl		mg/kg	5	ND
Hexabromobiphenyl		mg/kg	5	ND
Heptabromobiphenyl		mg/kg	5	ND
Octabromobiphenyl		mg/kg	5	ND
Nonabromobiphenyl		mg/kg	5	ND
Decabromobiphenyl		mg/kg	5	ND
Monobromodiphenyl ether	With reference to International Standard IEC 62321-6: 2015, Determined by GC-MS.	mg/kg	5	ND
Dibromodiphenyl ether		mg/kg	5	ND
Tribromodiphenyl ether		mg/kg	5	ND
Tetrabromodiphenyl ether		mg/kg	5	ND
Pentabromodiphenyl ether		mg/kg	5	ND
Hexabromodiphenyl ether		mg/kg	5	ND
Heptabromodiphenyl ether		mg/kg	5	ND
Octabromodiphenyl ether		mg/kg	5	ND
Nonabromodiphenyl ether		mg/kg	5	ND
Decabromodiphenyl ether		mg/kg	5	ND

Note / Key :

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

ug/cm² = Microgram per square centimeter

MDL = Method detection limit

ND = Not detected

NA = Not applicable

- * a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 ug/cm².
The sample coating is considered to contain CrVI.
- b. The sample is negative for CrVI if CrVI is N.D. (concentration less than 0.10ug/cm²).
The coating is considered a non-CrVI based coating.
- c. The result between 0.10ug/cm² and 0.13 ug/cm² is considered to be inconclusive – unavoidable coating variations may influence the determination.



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TEST RESULT

Phthalates

Test Item	Test Method	Unit	MDL	Result
Dibutyl phthalate (DBP)	With reference to IEC 62321-8: 2017, Determined by GC-MS & LC-MS.	mg/kg	50	ND
Bis(2-ethylhexyl) phthalate (DEHP)		mg/kg	50	ND
Diisobutyl phthalate (DIBP)		mg/kg	50	ND
Benzyl butyl phthalate (BBP)		mg/kg	50	ND

Note / Key :

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

MDL = Method detection limit

ND = Not detected

NA = Not applicable

List of Phthalates [European Parliament and Council Directive 2011/65/EU] :

No.	Name of Analyte(s)	CAS-No.
1	Dibutyl phthalate (DBP)	84-74-2
2	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
3	Diisobutyl phthalate (DIBP)	84-69-5
4	Benzyl butyl phthalate (BBP)	85-68-7



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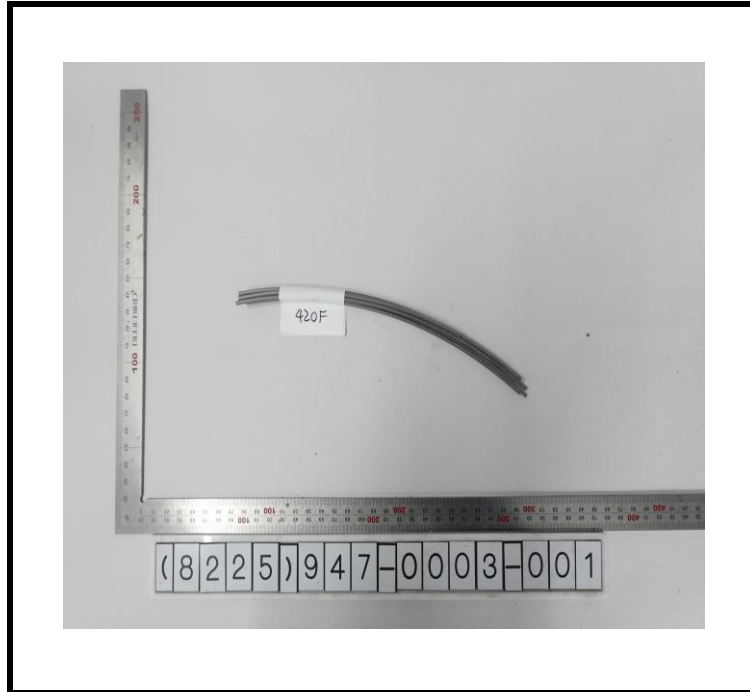
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Photo of the Submitted Sample





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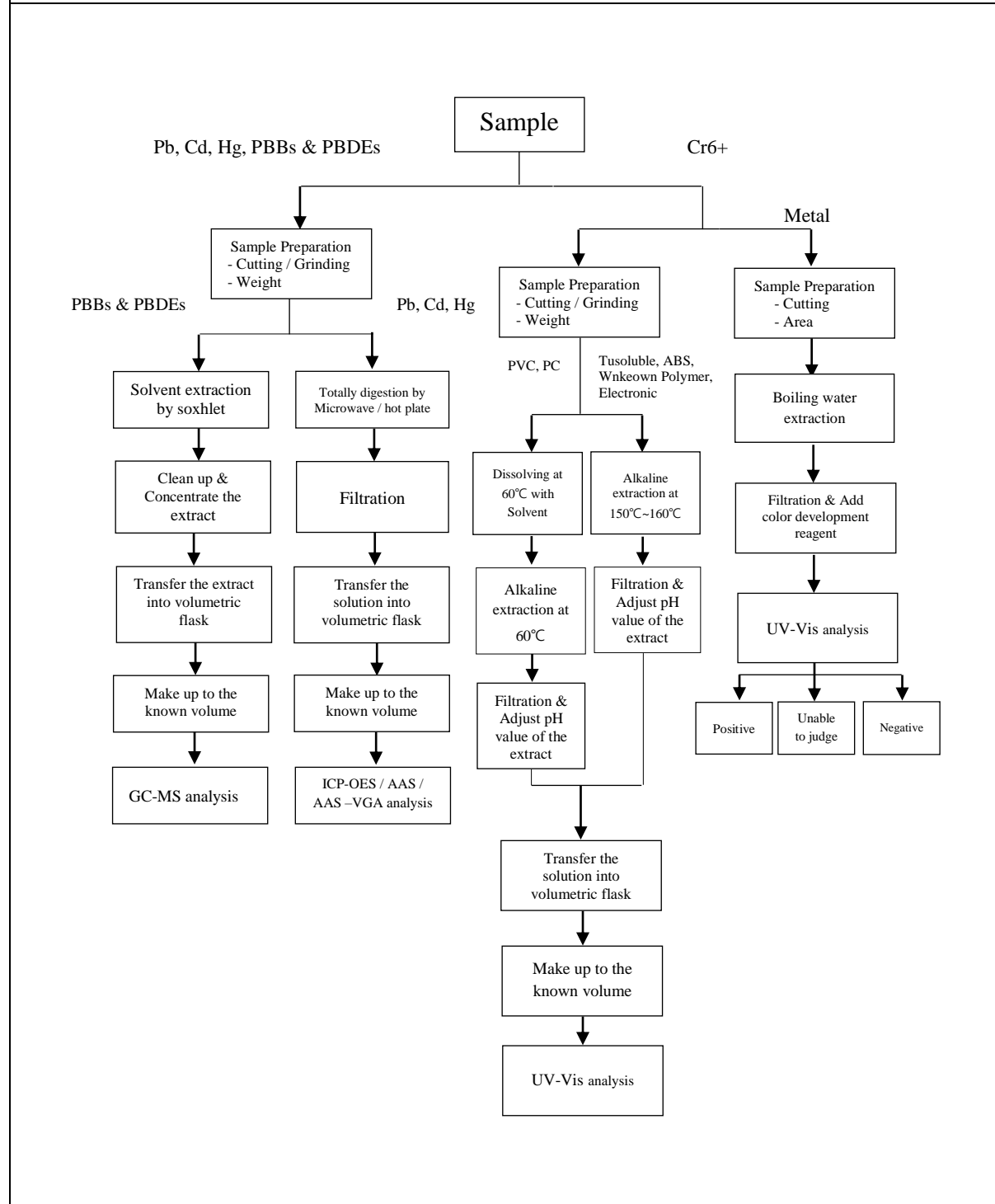
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Test Flowchart of Heavy Metals and Flame Retardants Content [European Parliament and Council Directive 2011/65/EU] :





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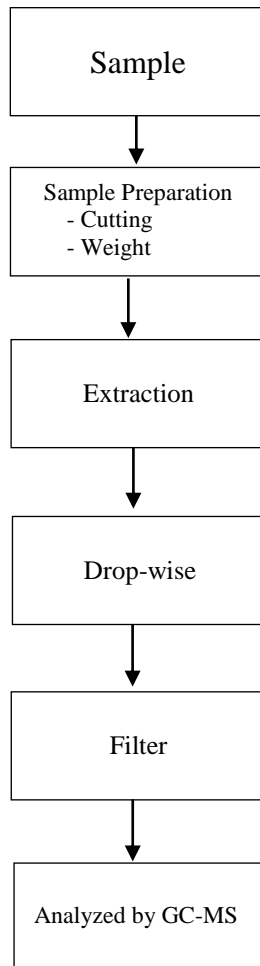
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Test Flowchart of Phthalates Content



- End of Report -