



BUREAU
VERITAS

TEST REPORT

(시험 성적서)

Report No. : (8226)185-0001-015-E1
시험성적서 번호

Date Issued : 2026. 02. 23
발행일자

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Company Name : KG DONGBU STEEL CO., LTD.
신청기관 : 케이지스틸 주식회사
Address : 1228, Bukbusaneop-ro, Songak-eup, Dangjin-si, Chungcheongnam-do
주소 : 충청남도 당진시 송악읍 북부산업로 1228

Sample Description

Name / Type of Product : MgCOT (논크롬)
제품명/형식
Item No. / Part No. : -
품번
Material/Color : -
재질
Manufacturer/Vendor : KG DONGBU STEEL CO., LTD.
제품 생산자/공급자

Date Received : 2026. 02. 09
시료접수일자
Test Period : 2026. 02. 09 ~ 2026. 02. 23
시험일자

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).
시험방법 : 이 시험성적서의 다음 페이지 첨부
Test Results(s) : For the detail, please the following page(s).
시험결과 : 이 시험성적서의 다음 페이지 첨부

Authorized by

Bureau Veritas Korea Co., Ltd.
Consumer Product Services

JIN KIM
Lab Manager / Bureau Veritas Korea CPS



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Bureau Veritas CPS Korea
RM409, 8F RM901-902, RM908-915
(O-Biz tower) 126, Beolmal-ro, Dongan-gu, Anyang-
si, Gyeonggi-do, 14057, Republic of Korea
Tel: +82.31.688.8000 Fax: +82.31.360.0276
Website: www.bureauveritas.co.kr/cps

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on. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indic-
ative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unles-
s specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information tha-
t you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on sim-
ple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from d-
ate of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertain-
ty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such iss-
ue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the corr-
ectness of the report contents. This report is independent of the KOLAS recognition criteria (KS Q ISO/IEC 17025) and KOLAS recogniti-
on. This report is independent of the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.



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Name / Type of Product (제품명/형식) : MgCOT (논크롬)

TEST RESULT

Heavy Metals

Test Item (시험 항목)	Test Method (분석 방법)	Unit (단위)	MDL (검출 한계)	Result (시험 결과)
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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Name / Type of Product (제품명/형식) : MgCOT (논크롬)

TEST RESULT

Phthalates Content

Test Item (시험 항목)	Test Method (분석 방법)	Unit (단위)	MDL (검출 한계)	Result (시험 결과)
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

CAS-No. = Chemical Abstracts Service registry number



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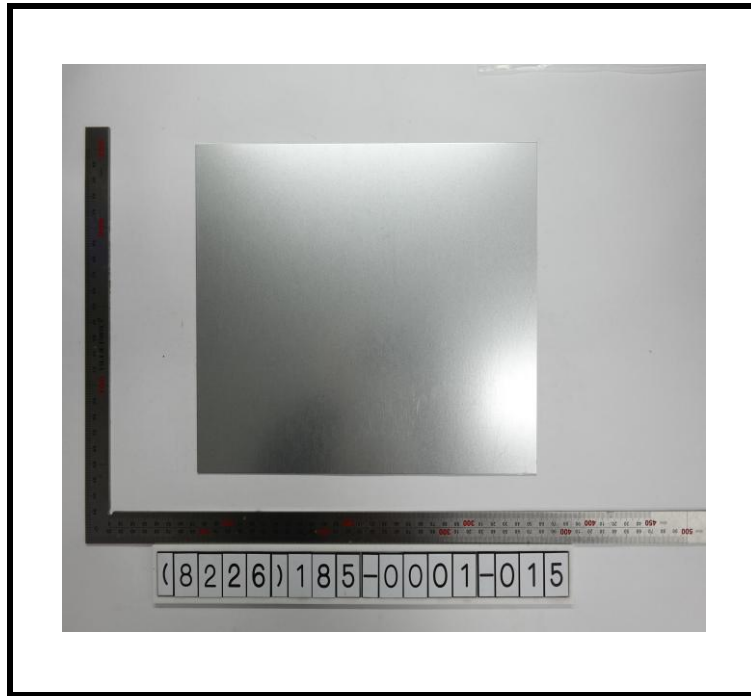
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Photo of the Submitted Sample

(시료 접수 시 시료 상태)





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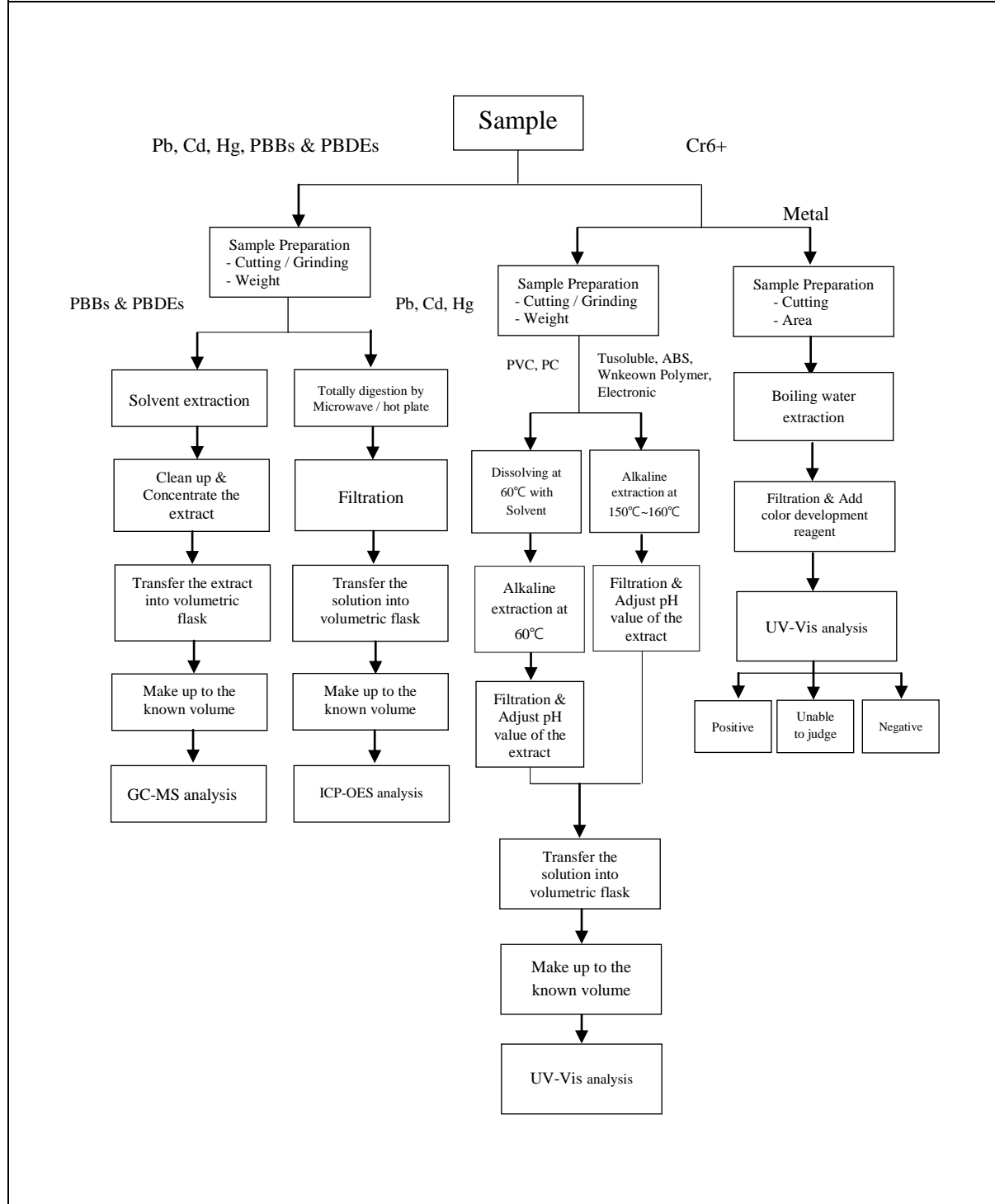
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Test Flowchart of Heavy Metals and Flame Retardants Content [European Parliament and Council Directive 2011/65/EU] :





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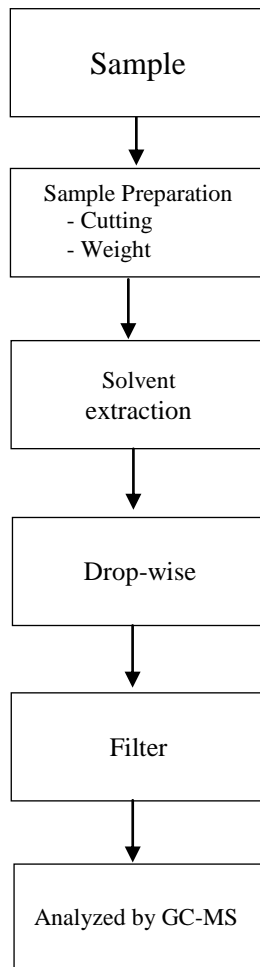
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Test Flowchart of Phthalates Content



- End of Report -