



BUREAU
VERITAS

TEST REPORT

(시험 성적서)

Report No. : (8226)185-0001-006-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 : GI (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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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) : GI (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 |
| Antimony(Sb) | With reference to US EPA3052, Determined by ICP-OES. | mg/kg | 2 | ND |

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) : GI (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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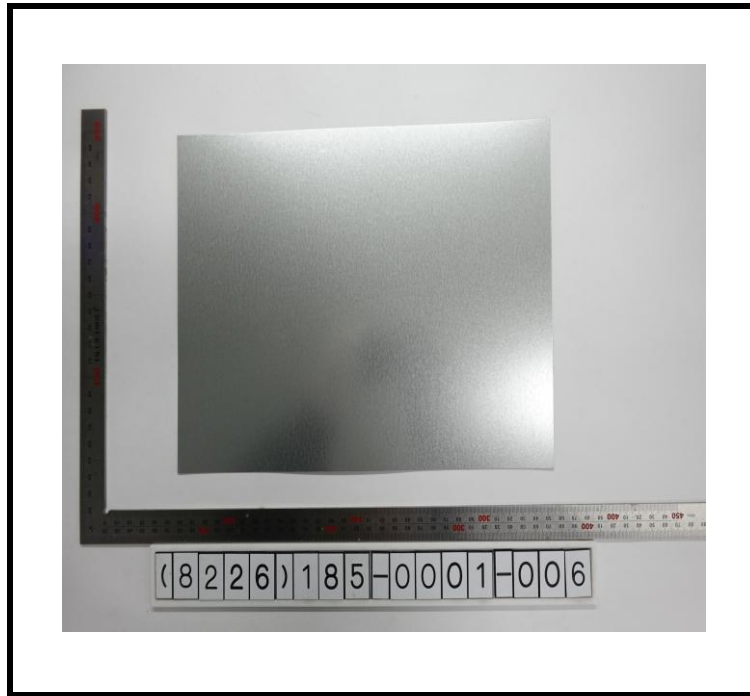
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Photo of the Submitted Sample

(시료 접수 시 시료 상태)





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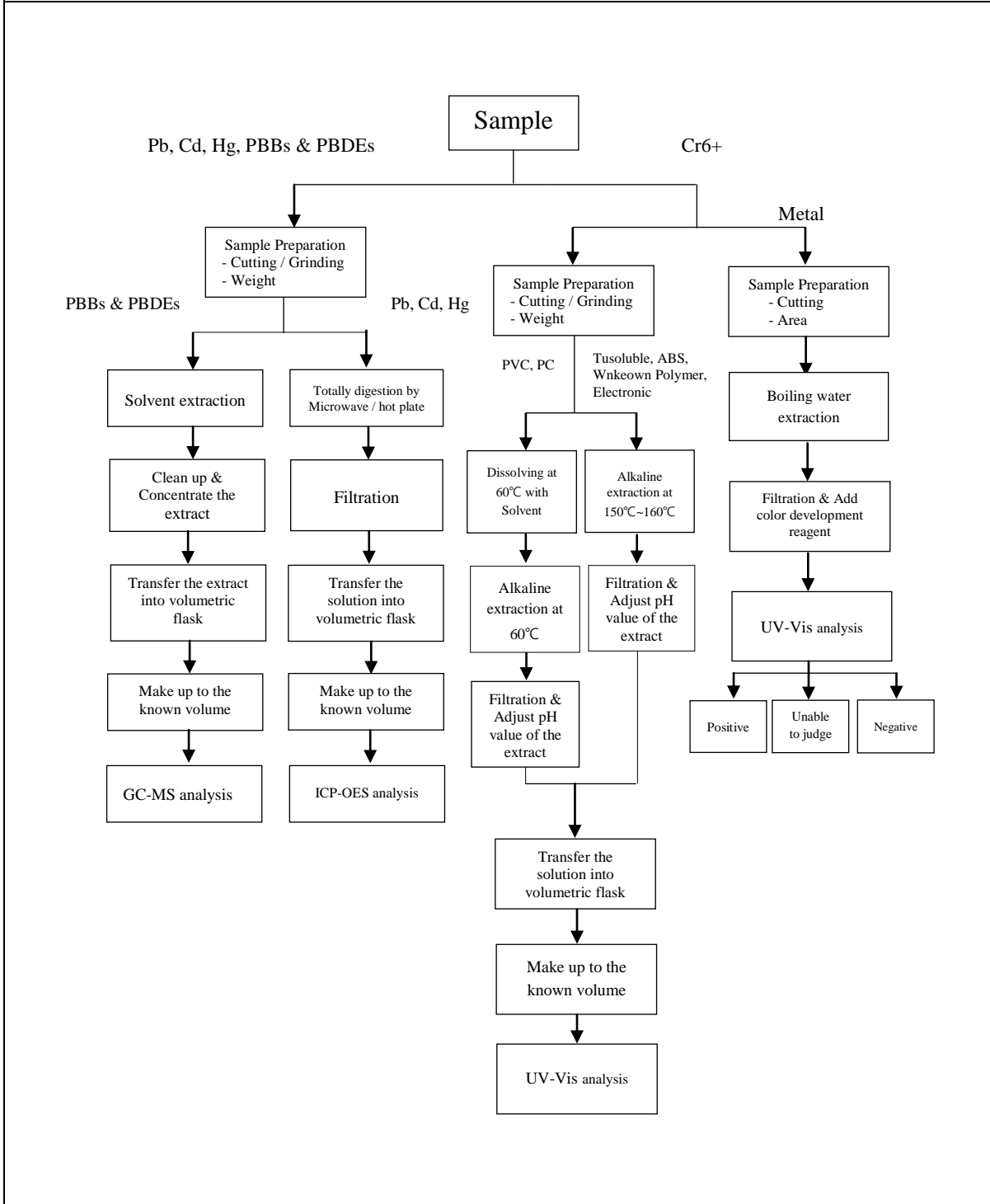
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Test Flowchart of Heavy Metals and Flame Retardants Content [European Parliament and Council Directive 2011/65/EU] :





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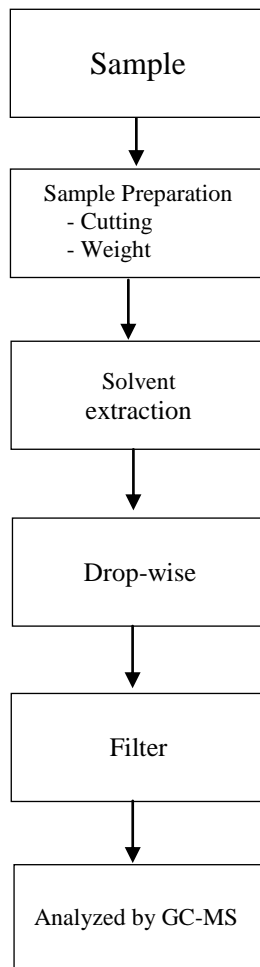
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Test Flowchart of Phthalates Content





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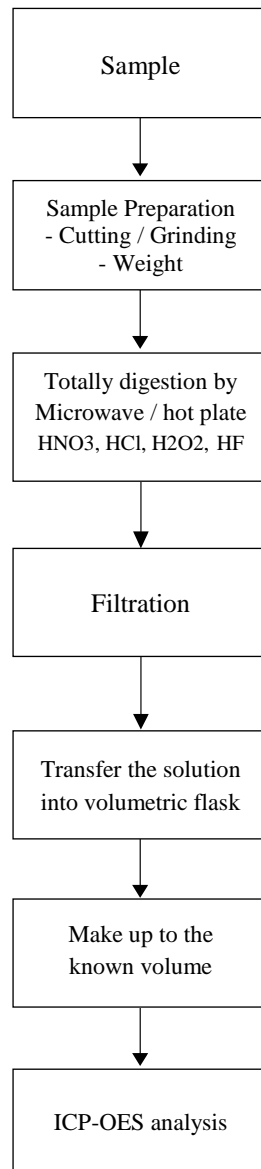
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Test Flowchart of Inorganic Element Content



- End of Report -