



BUREAU
VERITAS

TEST REPORT

(시험 성적서)

Report No. : (8226)185-0001-019-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 : EGI (인산염+내지문)
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-
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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) : EGI (인산염+내지문)

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

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



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Name / Type of Product (제품명/형식) : EGI (인산염+내지문)

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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Name / Type of Product (제품명/형식) : EGI (인산염+내지문)

TEST RESULT

Halogen Content

Test Item (시험 항목)	Test Method (분석 방법)	Unit (단위)	MDL (검출 한계)	Result (시험 결과)
Bromine (Br)	With reference to EN14582:2016, Determined by IC.	mg/kg	30	ND
Chlorine (Cl)		mg/kg	30	ND
Fluorine (F)		mg/kg	30	ND
Iodine (I)		mg/kg	30	ND

Note / Key :

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

MDL = Method detection limit

ND = Not detected

NA = Not applicable



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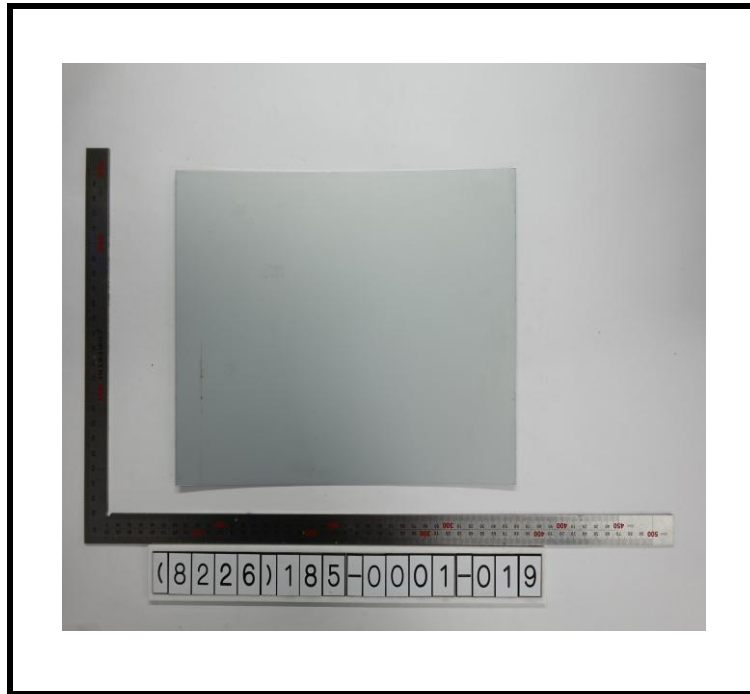
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Photo of the Submitted Sample

(시료 접수 시 시료 상태)





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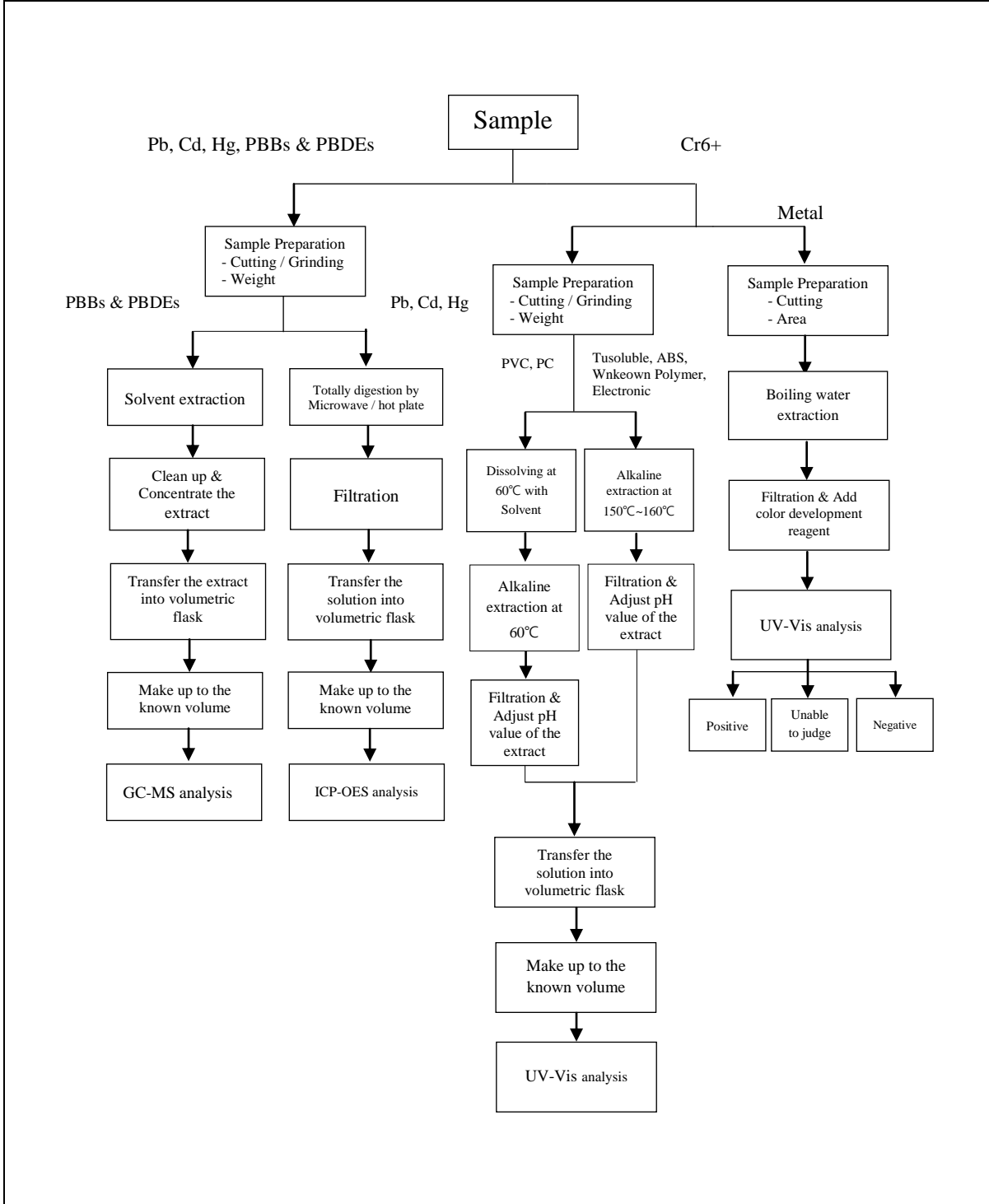
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Test Flowchart of Heavy Metals and Flame Retardants Content [European Parliament and Council Directive 2011/65/EU] :





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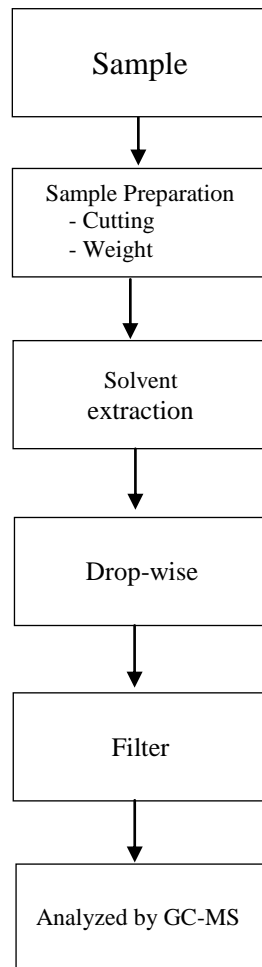
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Test Flowchart of Phthalates Content





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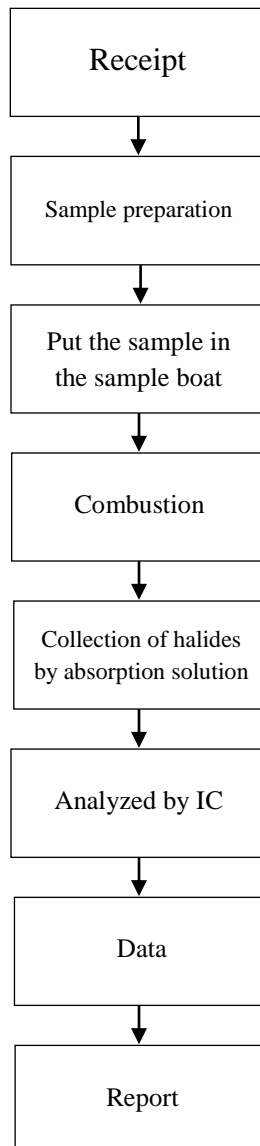
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Test Flowchart of Halogen Content





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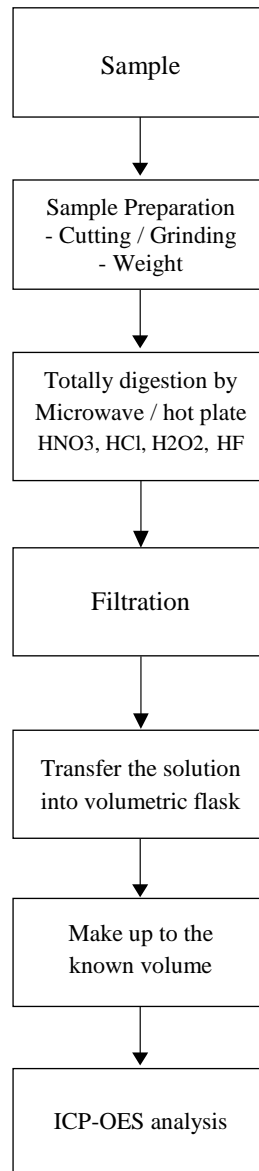
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Test Flowchart of Inorganic Element Content



- End of Report -