

CERTIFICATE OF ACCREDITATION

Korea calibration & testing laboratory

Accreditation No. : KT727

Corporation Registration No. : 194211-0223470

Address of Laboratory : (Branch site)315, 210, Sahwa-ro, Uichang-gu, Changwon-si,
Gyeongsangnam-do, Republic of Korea
(Branch site-1)599, Nammyeon-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, Republic of Korea

Date of Initial Accreditation : January 17, 2017

Validity of Accreditation : January 17, 2021 ~ January 16, 2025

Scope of Accreditation : Attached Annex

Date of issue : January 15, 2021

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to Joint ISO-ILAC-IAF Communiqué).



LEE Seung Woo

Head

Korea Laboratory Accreditation Scheme

Korea Laboratory Accreditation Scheme

No. KT727

02. Chemical Testing

02.001 Iron and Steel

Test method	Standard designation	Test range	Site	Field testing
ASTM E415-17	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry C Si Mn P S Cr Ni Mo Cu V	(0.01 ~ 1.06) % (0.04 ~ 1.15) % (0.1 ~ 1.59) % (0.002 ~ 0.055) % (0.001 ~ 0.045) % (0.05 ~ 2.06) % (0.05 ~ 1.97) % (0.05 ~ 0.93) % (0.05 ~ 0.5) % (0.05 ~ 0.3) %	BS	N
KS D 1652 : 2007	Iron and steel -Method for spark discharge atomic emission spectrometric analysis C Si Mn P S Cr Ni Mo V Cu	(0.01 ~ 1.06) % (0.04 ~ 1.15) % (0.1 ~ 1.59) % (0.002 ~ 0.055) % (0.001 ~ 0.045) % (0.05 ~ 2.06) % (0.05 ~ 1.97) % (0.05 ~ 0.93) % (0.05 ~ 0.59) % (0.05 ~ 0.53) %	BS	N

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05. Non-Destructive Testing

05.001 Metallic and Related Products

Test method	Standard designation	Test range	Site	Field testing
ASTM E1032-19	Standard Practice for Radiographic Examination of Weldments Using Industrial X-Ray Film	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
ASTM E1417 / E1417M - 16	Standard Practice for Liquid Penetrant Testing	Fluorescent, Non Fluorescent	BS	Y
ASTM E1417 / E1417M - 16	Standard Practice for Liquid Penetrant Testing	Fluorescent, Non Fluorescent	BS-1	Y
ASTM E1444 / E1444M -16e1	Standard Practice for Magnetic Particle Testing	Fluorescent, Non Fluorescent	BS	Y
ASTM E1444 / E1444M -16e1	Standard Practice for Magnetic Particle Testing	Fluorescent, Non Fluorescent	BS-1	Y
ASTM E1742 / E1742M-18	Standard Practice for Radiographic Examination	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
ASTM E709-15	Standard Guide for Magnetic Particle Testing	Fluorescent, Non Fluorescent	BS	Y
ASTM E709-15	Standard Guide for Magnetic Particle Testing	Fluorescent, Non Fluorescent	BS-1	Y
ASTM E94 / E94M - 17	Standard Guide for Radiographic Examination Using Industrial Radiographic Film	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
KS B 0816 : 2005	Method for liquid penetrant testing and classification of the penetrant indication	Solvent removal (Fluorescent, Non Fluorescent)	BS	Y
KS B 0816 : 2005	Method for liquid penetrant testing and classification of the penetrant indication	Solvent removal (Fluorescent, Non Fluorescent)	BS-1	Y
KS B 0845 : 2005	Methods of radiographic examination for welded joints in steel	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
KS D 0213 : 2018	Method for magnetic particle testing of ferromagnetic materials and classification of magnetic particle indication	Fluorescent, Non Fluorescent	BS-1	Y

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Test method	Standard designation	Test range	Site	Field testing
KS D 0213 : 2018	Method for magnetic particle testing of ferromagnetic materials and classification of magnetic particle indication	Fluorescent, Non Fluorescent	BS	Y
KS D 0227 : 2017	Methods of radiographic examination for steel castings	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
KS D 0237 : 2017	Methods of radiographic test and classification of radiographs for stainless steel welds	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
KS D 0241 : 2016	Methods for radiographic test and classification by radiographs of aluminium castings	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
KS D 0242 : 2017	Method of radiographic examination for fusion welded butt joints of aluminium plates	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
KS D 0272 : 2005	Standard Qualification Procedure for Radiographic Testing Technique of Welds	RG : (50 ~ 250) kV, RI : Ir-192 (1.83 TBq)	BS-1	N
MIL-STD-1907 Notice5-14	Inspection, Liquid Penetrant and Magnetic Particle, Soundness Requirements for Materials, Parts and Weldments	Fluorescent, Non Fluorescent	BS-1	Y
MIL-STD-1907 Notice5-14	Inspection, Liquid Penetrant and Magnetic Particle, Soundness Requirements for Materials, Parts and Weldments	Fluorescent, Non Fluorescent	BS	Y

End.