Korea Laboratory Accreditation Scheme

CERTIFICATE OF ACCREDITATION

Kyung-In Synthetic Corporation, Chemical Testing & Analysis Center

Accreditation No. : KT627

Corporation Registration No. : 120111-0005703

Address of Laboratory : (Branch site)69, Yangcheon-ro 75-gil, Gangseo-gu, Seoul, Republic of Korea

Date of Initial Accreditation : June 13, 2014

Validity of Accreditation : June 13, 2018 ~ June 12, 2022

Scope of Accreditation : Attached Annex

Date of issue : March 05, 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).

Sanghoon Lee

Head
Korea Laboratory Accreditation Scheme

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02. Chemical Testing

02.026 Fiber

Test method	Standard designation	Test range	Site	Field testing
BS EN ISO 14362-1:2017	Textiles-Methods for determination of certain aromatic amines derived from azo colorants-Part1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017)	20 mg/kg or more	BS	N
BS EN ISO 14362-3:2017	Textiles-Methods for determination of certain aromatic amines derived from azo colorants-Part3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene (ISO 14362-3:2017)	20 mg/kg or more	BS	N
DIN EN 17137:2019	Textiles-Determination of the content of compounds based on chlorobenzenes and chlorotoluenes; English version EN 17137:2018, English translation of DIN EN 17137:2019-02	0.1 mg/kg or more	BS	N
ISO 105-B02:2014	Textiles-Tests for colour fastness-Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	(1 ~ 8) Grade	BS	N
ISO 105-B07:2009	Textiles-Tests for colour fastness-Part B07: Colour fastness to light of textiles wetted with artificial perspiration	(1 ~ 5) Grade	BS	N
ISO 105-C06:2010	Textiles-Tests for colour fastness-Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) Grade	BS	N
ISO 105-C10:2006	Textiles-Tests for colour fastness-Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) Grade	BS	N

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Test method	Standard designation	Test range	Site	Field testing
ISO 105-E01:2013	Textiles-Tests for colour fastness-Part E01: Colour fastness to water	(1 ~ 5) Grade	BS	N
ISO 105-E02:2013	Textiles-Tests for colour fastness-Part E02: Colour fastness to sea water	(1 ~ 5) Grade	BS	N
ISO 105-E03:2010	Textiles-Tests for colour fastness-Part E03: Colour fastness to chlorinated water (swimming-pool water)	(1 ~ 5) Grade	BS	N
ISO 105-E04:2013	Textiles-Tests for colour fastness-Part E04: Colour fastness to perspiration	(1 ~ 5) Grade	BS	N
ISO 14184-1:2011	Textiles-Determination of formaldehyde-Part1: Free and hydrolysed formaldehyde (water extraction method)	16 mg/kg or more	BS	N
ISO 3071:2020	Textiles-Determination of pH of aqueous extract	(2.0~12.0) pH range, 0.1 pH	BS	N
KS K 0731:2017	Test method for determination of extractable heavy metals content in textiles	Co : 0.5 mg/kg or more As : 0.1 mg/kg or more Ni : 0.5 mg/kg or more Cd : 0.1 mg/kg or more Cr : 0.5 mg/kg or more Pb : 0.1 mg/kg or more Hg : 0.01 mg/kg or more Cu : 1.0 mg/kg or more Sb : 5.0 mg/kg or more Cr(VI) : 0.3 mg/kg or more	BS	N
KS K 0735:2017	Test method for determination of carcinogenic dyes content in textiles	20 mg/kg or more	BS	N

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Test method	Standard designation	Test range	Site	Field testing
KS K 0736:2019	Test method for determination of allergenic disperse dyes content in textiles	20 mg/kg or more	BS	N
KS K ISO 105-B02:2014	Textiles-Tests for colour fastness-Part B02: Colour fastness to artificial light : Xenon arc fading lamp test	(1 ~ 8) Grade	BS	N
KS K ISO 105-C06:2010	Textiles-Tests for colour fastness-Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) Grade	BS	N
KS K ISO 105-C10:2006	Textiles-Tests for colour fastness-Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) Grade	BS	N
KS K ISO 105-E01:2013	Textiles-Tests for colour fastness-Part E01: Colour fastness to water	(1 ~ 5) Grade	BS	N
KS K ISO 105-E02:2013	Textiles-Tests for colour fastness-Part E02: Colour fastness to sea water	(1 ~ 5) Grade	BS	N
KS K ISO 105-E04:2013	Textiles-Tests for colour fastness-Part E04: Colour fastness to perspiration	(1 ~ 5) Grade	BS	N
KS K ISO 14184-1:1998	Textiles-Determination of formaldehyde-Part 1: Free and hydrolized formaldehyde (water extraction method)	20 mg/kg or more	BS	N
KS K ISO 3071:2005	Textiles-Determination of pH of aqueous extract	(2.0~12.0) pH range, 0.1 pH	BS	N
LMBG 82.02-8:2001	Untersuchung von Bedarfsgegenstnden Nachweis und Bestimmung von Pentachlorophenol in Bedarfsgegenstnden, insbesondere aus Leder und Textilien (Referenzverfahren)	0.1 mg/kg or more	BS	N

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02. Chemical Testing

02.027 Leather

Test method	Standard designation	Test range	Site	Field testing
BS EN ISO 17234-1:2015	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers. Part1:Determination of certain aromatic amines derived from azo colorants	20 mg/kg or more	BS	N
BS EN ISO 17234-2:2011	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers. Part 2 :Determination of 4-aminoazobenzene(ISO 17234-2:2011)	20 mg/kg or more	BS	N
DIN EN ISO 17075-1:2017	Leather-Chemical determination of chromium(VI) content in leather-Part1: Colorimetric method (ISO 17075-1:2017)	3 mg/kg or more	BS	N
ISO 17070:2015	Leather-Chemical tests-Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	0.1 mg/kg or more	BS	N
ISO 17226-1:2018	Leather-Chemical determination of formaldehyde content-Part1: Method using high performance liquid chromatography	1 mg/kg or more	BS	N
ISO 17226-2:2018	Leather-Chemical determination of formaldehyde content-Part2: Method using colorimetric analysis	9 mg/kg or more	BS	N

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Test method	Standard designation	Test range	Site	Field testing
ISO 17226-3:2011	Leather-Chemical determination of formaldehyde content-Part3: Determination of formaldehyde emissions from leather	1 mg/kg or more	BS	N
ISO 17234-1:2015	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers-Part1: Determination of certain aromatic amines derived from azo colorants	20 mg/kg or more	BS	N
ISO 17234-2:2011	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers-Part2: Determination of 4-aminoazobenzene	20 mg/kg or more	BS	N
ISO 4045:2018	Leather-Chemical tests-Determination of pH and difference figure	(2.00~12.00) pH range, 0.01 pH	BS	N
KS M ISO 17070:2015	Leather-Chemical tests-Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	0.1 mg/kg or more	BS	N
KS M ISO 17075:2007	Leather-Chemical tests-Determination of chromium(VI) content	3 mg/kg or more	BS	N
KS M ISO 17226-1:2018	Leather-Chemical determination of formaldehyde content-Part1: Method using high performance liquid chromatography	1 mg/kg or more	BS	N
KS M ISO 17226-2:2018	Leather-Chemical determination of formaldehyde content-Part2: Method using colorimetric analysis	9 mg/kg or more	BS	N

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Test method	Standard designation	Test range	Site	Field testing
KS M ISO 17226-3:2011	Leather-Chemical determination of formaldehyde content-Part3: Determination of formaldehyde emissions from leather	1 mg/kg or more	BS	N
KS M ISO 17234-1:2015	Leather-Chemical tests for determination of certain azo colorants in dyed leathers-Part1: Determination of certain aromatic amines derived from azo colorants	20 mg/kg or more	BS	N
KS M ISO 17234-2:2011	Leather-Chemical tests for the determination of certain azo colorants in dyed leathers-Part2: Determination of 4-aminoazobenzene	20 mg/kg or more	BS	N
KS M ISO 4045:2018	Leather-Chemical tests-Determination of pH and difference figure	(2.00~12.00) pH range, 0.01 pH	BS	N
LMBG 82.02-8:2001	Untersuchung von Bedarfsgegenstnden Nachweis und Bestimmung von Pentachlorophenol in Bedarfsgegenstnden, insbesondere aus Leder und Textilien (Referenzverfahren)	0.1 mg/kg or more	BS	N

End.