Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

1218

Accredited to ISO/IEC 17025:2017

ICI Limited
(Part of AkzoNobel Group)

Issue No: 043 **Issue date:** 23 August 2024

Materials Characterisation
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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PAINTS, VARNISHES and ADHESIVES	Chemical Tests	Documented In-House Methods
Resin, additives and intermediates	Qualitative and quantitative analysis:	
	Solids	SOM 001.39 by gravimetry
	Spectroscopic Tests	Documented In-House Procedures using Fourier Transform-Infra-Red (FT-IR),
	Identification	SOP 004 series using FTIR Spectroscopy
	Chromatographic Tests	Documented In-House Methods and Procedures using gas, liquid
	Solvents	SOP 007 series using GC-FID
	Solvent and additive identification	SOM 010.24 using GC-MS
Paints	Qualitative and quantitative analysis on in-house and competitive products	
	Pigment in emulsion paints	SOM 001.23 using Gravimetry
	Solids	SOM 001.39 using Gravimetry

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PAINTS, VARNISHES and ADHESIVES (cont'd)		Documented In-House Methods
Paints	Qualitative and quantitative analysis on in-house and competitive products	
	Chromatographic Tests	Documented In-House Methods and Procedures using gas, liquid
	Solvents	SOP 007 series using GC-FID
	Solvents and additives identification	SOM 010.24 using GC-MS
	Biocides as below: -Chloromethylisothiazoline (CMIT) (1 – 20 ppm)	SOM 007.25 using HPLC
	-Methylisothiazoline (MIT) (1 – 7 ppm)	SOM 007.25 using HPLC
	-Bronopol biocidial additives (10 – 100 ppm)	SOM 007.25 using HPLC
Water thinnable emulsion paints	Volatile organic compounds content (onset of boiling ≤ 250℃)	Documented In-House Method SOM 007.23 based on DIN 55649:2000 (BS EN ISO 17895:2005) using GC-FID
Paint Systems and Latex	Quantification of free formaldehyde in the range 0.5 – 100 ppm	Documented In-House Method SOM 007.38 using HPLC and 2,4 DNPH derivitised samples
Water based Latex	Acetaldehyde	Documented In-House Method SOM 001.40 using Headspace GC
Water based paint and Latex products	Volatile organic compounds	Documented In-House Method SOM 007.42 based on EN ISO 11890-2:2013 by GC-MS with Thermal desorption, Liquid, headspace and SPME injectors

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PAINTS, VARNISHES and ADHESIVES (cont'd)		Documented In-House Methods
Paint Defects	Paint defects may be examined by any of the methods delineated above for resins and paints.	
	<u>Spectroscopic Tests</u>	
	Identification	SOP 004 Series using FTIR
Pigments	<u>Chemical Tests</u>	
POLLUTANTS and EFFLUENTS: ATMOSPHERIC	Total inhalable dust	Documented In-House Method SOM 008.03 based on MDHS 14/3 (superseded) using Gravimetry
END		