

<b>Laboratory</b>	<b>Heubach Colour Pvt. Ltd., Unit-1 (Laboratory), Plot No. 9002-10, Phase-VI, G.I.D.C., Ankleshwar, Gujarat</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>06.06.2015</b>
<b>Certificate Number</b>	<b>T-2000</b>	<b>Valid Until</b>	<b>05.06.2017</b>
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<b>S. No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>PAINTS AND SURFACE COATING</b>			
<b>1.</b>	<b>Organic Pigments</b>	Primary Aromatic Amine Calculated as Aniline Equivalent	LN/WI/32 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Iron Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Chromium Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Copper Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Zinc Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Nickel Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Lead Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Cadmium Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Cobalt Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Mercury Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 µg/kg to 500 µg/kg
		Arsenic Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg

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	<b>Organic Pigments</b>	Antimony Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Selenium Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Barium Content	LN/WI/11 Revision 00/ Date 02.02.2015	5 mg/kg to 500 mg/kg
		Moisture Content	LAB/WI/46 Revision 00/ Date 02.02.2015	0.05 % to 2.5 %
		pH	LAB/WI/60 Revision 00/ Date 02.02.2015	4 to 10
		Conductivity	LAB/WI/61 Revision 00/ Date 02.02.2015	30.0 µs/cm to 1100 µs/cm
		Water Soluble Matter	LAB/WI/59 Revision 00/ Date 02.02.2015	0.01 % to 0.5 %
		Grit Content	LAB/WI/43 Revision 00/ Date 02.02.2015	0.005 % to 0.15 %
<b>2.</b>	<b>Dried Aluminium Hydroxide – IP</b>	Identification	Indian Pharmacopeia 2014 – Volume II Page no. 1022	Qualitative
		pH	Indian Pharmacopeia 2014 – Volume II Page no. 1022	7.0 to 10.0
		Arsenic	Indian Pharmacopeia 2014 – Volume II Page no. 1022	Qualitative

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	<b>Dried Aluminium Hydroxide – IP</b>	Heavy Metal	Indian Pharmacopeia 2014 – Volume II Page no. 1022	Qualitative
		Chloride	Indian Pharmacopeia 2014 – Volume II Page no. 1022	Qualitative
		Sulphate	Indian Pharmacopeia 2014 – Volume II Page no. 1022	Qualitative
		Neutralizing Capacity	Indian Pharmacopeia 2014 – Volume II Page no. 1022	5.0 ml to 35.0 ml
		Assay as Al <sub>2</sub> O <sub>3</sub>	Indian Pharmacopeia 2014 – Volume II Page no. 1022	47.0 % to 60 .0 %
<b>3.</b>	<b>Pigment for Ink</b>	Particle Size by Disc Centrifuge	LN/WI/34 Revision 00/ Date 02.02.2015	0.001 µm to 30 µm
<b>4.</b>	<b>Organic Pigments and Other Organic &amp; Inorganic Compounds</b>	Sum of PCDD/F Content	LN/WI/24 Revision 00/ Date 02.02.2015	0.05 µg/kg to 100 µg/kg
		Sum of PCB Content	LN/WI/24 Revision 00/ Date 02.02.2015	0.5 mg/kg to 100 mg/kg
		HCB Content	LN/WI/24 Revision 00/ Date 02.02.2015	0.5 mg/kg to 100 mg/kg
<b>5.</b>	<b>Synthetic Hydrotalcite</b>	Assay as Al <sub>2</sub> O <sub>3</sub>	LN/WI/86 Revision 00/ Date 02.02.2015	15.0 % to 30.0 %

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	Synthetic Hydrotalcite	MgO	LN/WI/86 Revision 00/ Date 02.02.2015	25.0 % to 35.0 %
		Loss on Ignition	LN/WI/86 Revision 00/ Date 02.02.2015	35.0 % to 45.0 %
		Bet – Surface Area	LN/WI/40 Revision 00/ Date 02.02.2015	1 m <sup>2</sup> /g to 35 m <sup>2</sup> /g
		Particle Size (Laser Diffraction)	LN/WI/33 Revision 00/ Date 02.02.2015	0.05 µm to 500 µm
6.	Pigments for Industrial Paint (2-Component Acrylate System, A137)	Colour Shade Full Tone	LAB/WI/65 Revision 00/ Date 02.02.2015	Qualitative
		DL	LAB/WI/65 Revision 00/ Date 02.02.2015	(-)0.8 to (+)0.8
		DC	LAB/WI/65 Revision 00/ Date 02.02.2015	(-)1.4 to (+)1.4
		DH	LAB/WI/65 Revision 00/ Date 02.02.2015	(-)0.9 to (+)0.9
		DE	LAB/WI/65 Revision 00/ Date 02.02.2015	0 to (+)1.8
		Tinting Strength (TS)	LAB/WI/65 Revision 00/ Date 02.02.2015	95 % to 105 %
7.	Pigments for Air Dried Alkyd Paint (A138)	Colour Shade Full Tone	LAB/WI/64 Revision 00/ Date 02.02.2015	Qualitative
		DL	LAB/WI/64 Revision 00/ Date 02.02.2015	(-)0.8 to (+)0.8

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	<b>Pigments for Air Dried Alkyd Paint (A138)</b>	DC	LAB/WI/64 Revision 00/ Date 02.02.2015	(-)1.4 to (+)1.4
		DH	LAB/WI/64 Revision 00/ Date 02.02.2015	(-)0.9 to (+)0.9
		DE	LAB/WI/64 Revision 00/ Date 02.02.2015	0 to (+)1.8
		Tinting Strength (TS)	LAB/WI/64 Revision 00/ Date 02.02.2015	95 % to 105 %
<b>9.</b>	<b>Pigments for Water Based Printing Ink (A045)</b>	Colour Shade Full Tone	LAB/WI/63 Revision 00/ Date 02.02.2015	Qualitative
		DL	LAB/WI/63 Revision 00/ Date 02.02.2015	(-)0.8 to (+)0.8
		DC	LAB/WI/63 Revision 00/ Date 02.02.2015	(-)1.4 to (+)1.4
		DH	LAB/WI/63 Revision 00/ Date 02.02.2015	(-)0.9 to (+)0.9
		DE	LAB/WI/63 Revision 00/ Date 02.02.2015	0 to (+)1.8
		Tinting Strength (TS)	LAB/WI/63 Revision 00/ Date 02.02.2015	95 % to 105 %
<b>10.</b>	<b>Pigments for Offset Printing Ink (A055)</b>	Colour Shade Full Tone	LAB/WI/68 Revision 00/ Date 02.02.2015	Qualitative
		DL	LAB/WI/68 Revision 00/ Date 02.02.2015	(-)0.8 to (+)0.8

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	<b>Pigments for Offset Printing Ink (A055)</b>	DC	LAB/WI/68 Revision 00/ Date 02.02.2015	(-)1.4 to (+)1.4
		DH	LAB/WI/68 Revision 00/ Date 02.02.2015	(-)0.9 to (+)0.9
		DE	LAB/WI/68 Revision 00/ Date 02.02.2015	0 to (+)1.8
		Tinting Strength (TS)	LAB/WI/68 Revision 00/ Date 02.02.2015	95 % to 105 %

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