

## Deutsche Akkreditierungsstelle

### Annex to the Partial Accreditation Certificate D-PL-21147-01-03 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 13.11.2023                      **Valid to:** 12.11.2028  
**Date of issue:** 13.11.2023

This annex is a part of the accreditation certificate D-21147-01-00.

Holder of partial accreditation certificate:

**Hohenstein India Pvt. Ltd.**  
**Plot No. 33, Udyog Vihar Phase - 4**  
**GURUGRAM, HARYANA 122015, INDIA**

with the location

**Hohenstein India Pvt. Ltd.**  
**Plot No. 33, Udyog Vihar Phase - 4**  
**GURUGRAM, HARYANA 122015, INDIA**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the general with the principles of DIN EN ISO 9001.

#### **Chemical tests of dyes, pigments, inks, printing auxiliaries and chemicals**

*This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.*

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## 1 Chemical tests of dyes, pigments, inks, printing auxiliaries and chemicals

### 1.1 Liquid chromatography

|                                   |                                                                                                                                                                                                                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIN EN ISO 17226-1<br>2021-05     | Leather - Chemical determination of formaldehyde content - Part 1:<br>Method using high performance liquid chromatography<br>(ISO 17226-1:2021)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries<br/>and chemicals</i> )                                    |
| DIN EN ISO 18254-1<br>2016-09     | Textiles - Method for the detection and determination of<br>alkylphenolethoxylates (APEO) - Part 1: Method using HPLC-MS<br>(ISO 18254-1:2016)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries<br/>and chemicals; alternative standards; calculation</i> ) |
| DIN 38414-14<br>2011-08           | Determination of selected polyfluorinated compounds (PFC) in sludge,<br>compost and soil Method using liquid chromatography and mass<br>spectrometric detection (LC / MS)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries<br/>and chemicals</i> )          |
| DIN 54231<br>2022-09              | Textiles - Detection of disperse dyestuffs<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries<br/>and chemicals</i> )                                                                                                                                         |
| SOP-QM-11.IN.02.A7.021<br>2023-03 | Determination of 2-(2-Aminoethylamino) ethanol (AEEA) and<br>Thiourea<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries<br/>and chemicals</i> )                                                                                                              |

### 1.2 Element determination with ICP/MS

|                           |                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIN EN 16711-1<br>2016-02 | Textiles - Determination of metal content - Part 1: Determination of<br>metals using microwave digestion<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries<br/>and chemicals</i> ) |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **1.3 Gas chromatography**

|                               |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIN EN ISO 14362-1<br>2017-05 | Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> ) |
| DIN EN ISO 14362-3<br>2017-05 | Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene (ISO 14362-3:2017)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> )          |
| DIN EN ISO 14389<br>2023-01   | Textiles - Determination of the phthalate content - Tetrahydrofuran method (ISO 14389:2014)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> )                                                                                                                             |
| DIN EN ISO 18219<br>2016-02   | Leather- Determination of chlorinated hydrocarbons in leather- chromatographic method for short chain chlorinated paraffins (SCCP) (ISO 18219:2015)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> )                                                                     |
| DIN EN ISO 23161<br>2019-04   | Soil quality - Determination of selected organotin compounds - Gas-chromatographic method (ISO 23161:2018)<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> )                                                                                                              |
| DIN EN 12673<br>1999-05       | Water quality - Gas chromatographic determination of some selected chlorophenols in water<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> )                                                                                                                               |
| DIN EN 17132<br>2019-09       | Textiles and textile products - Determination of Polycyclic Aromatic Hydrocarbons (PAH), method using gas chromatograph<br>(Modification: <i>Matrix only Dyes, pigments, inks, printing auxiliaries and chemicals</i> )                                                                                                 |

**Annex to the Partial Accreditation Certificate D-PL-21147-01-03**

DIN EN 17137  
2019-02

Textiles - Determination of the content of compounds based on  
chlorobenzenes and chlorotoluenes  
(Modification: *Matrix only Dyes, pigments, inks, printing auxiliaries  
and chemicals*)

**Abbreviations used:**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| DIN        | Deutsches Institut für Normung e.V. – German institute for standardization |
| EN         | Europäische Norm – European Standard                                       |
| IEC        | International Electrotechnical Commission                                  |
| ISO        | International Organization for Standardisation                             |
| SOP-QM-... | In house method of the CAB                                                 |

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