

## CERTIFICATE OF ANALYSIS

Standard product specification

# Xylene Solvent

CAS 1330-20-7 ·  $\geq 98\%$  Purity

## 1. PRODUCT IDENTITY

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Product name      | Xylene Solvent                                                                             |
| C.A.S. number     | 1330-20-7                                                                                  |
| Grade / standard  | $\geq 98\%$ Purity                                                                         |
| Description       | Colourless liquid                                                                          |
| Product group     | Solvents                                                                                   |
| Category          | Paint, Ink & Coating Chemicals                                                             |
| Country of origin | India                                                                                      |
| Packing           | Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available |
| Storage           | Cool, dry, well-ventilated place in tightly closed original packing                        |

## 2. ANALYTICAL SPECIFICATION

| S. NO. | TEST PARAMETER           | SPECIFICATION                              | TYPICAL RESULT | METHOD                    |
|--------|--------------------------|--------------------------------------------|----------------|---------------------------|
| 1      | Description              | Colourless liquid                          | Complies       | Visual                    |
| 2      | Identification           | Conforms to the structure of the substance | Complies       | FTIR / Chemical test      |
| 3      | Assay                    | Not less than 98.0 % w/w                   | 98.93          | Titrimetry / Instrumental |
| 4      | Purity (by GC)           | Not less than 99.5 % (area)                | 99.63          | Gas Chromatography        |
| 5      | Colour (APHA / Pt-Co)    | Not more than 10                           | 4              | ASTM D1209                |
| 6      | Water Content            | Not more than 0.05 % w/w                   | 0.0121         | Karl Fischer titration    |
| 7      | Acidity (as acetic acid) | Not more than 0.002 % w/w                  | 0.0009         | Titrimetry                |

|    |                           |                           |        |                            |
|----|---------------------------|---------------------------|--------|----------------------------|
| 8  | Residue on Evaporation    | Not more than 0.001 % w/w | 0.0003 | Gravimetry                 |
| 9  | Specific Gravity at 25 °C | 0.862 – 0.868             | 0.8663 | Pycnometry / ASTM D4052    |
| 10 | Refractive Index at 20 °C | 1.4952 – 1.4992           | 1.4972 | Refractometry / ASTM D1218 |

### 3. DECLARATION

This document sets out the standard specification for Xylene Solvent and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.



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