

Batch Certificate

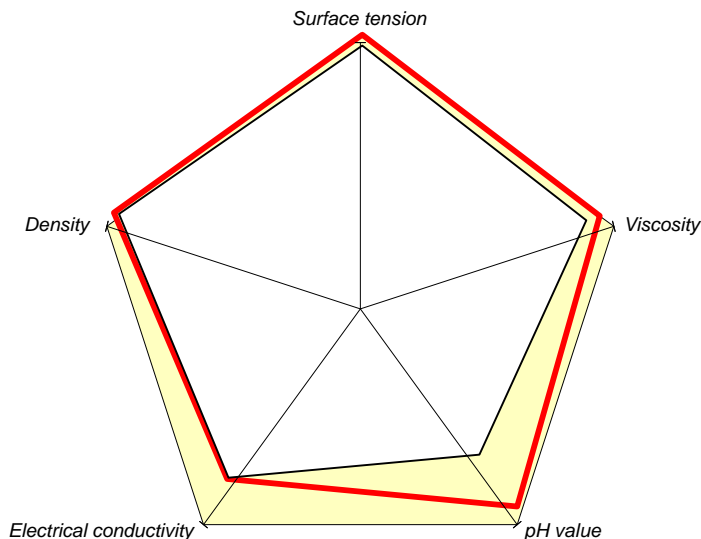


Ink: IJ C 41
Type: Dye-based ink
Batch: 025321

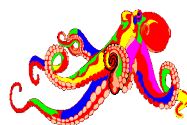
| Parameter ⁽¹⁾ | Range ⁽²⁾ | | Unit | Value of this batch | |
|--------------------------|----------------------------------|--------|--------|-----------------------------|--------|
| | from | up to | | | |
| Surface tension | (drop volume) | 26,80 | 28,80 | mN/m | 27,97 |
| | (bubble pressure) ⁽³⁾ | 25,00 | 30,20 | dyn/cm | |
| Viscosity | (kinematic) | 2,3000 | 2,6000 | mm ² /sec cSt | 2,4400 |
| | (dynamic) | 2,4500 | 3,1500 | mPa*sec cP | |
| pH value | | 6,00 | 8,00 | pH | 7,90 |
| Electrical conductivity | | 5,90 | 6,90 | mS/cm | 5,95 |
| Density | | 1,010 | 1,050 | g/cm ³ | 1,0310 |

| Color Metric | Coordinate | Standard ⁽²⁾ | Value of this batch |
|---|------------|-------------------------|---------------------|
| Paper: HP Printing Paper $D E = \sqrt{(D L)^2 + (D a)^2 + (D b)^2}$ D65/10° | L | 58,43 | 57,93 |
| | a | -32,12 | -31,92 |
| | b | -33,50 | -34,17 |
| | D E | 2,50 (max.) | 1,05 |

- (1) All measurements are made at 20°C / 68°F / 293 K
 (2) Specification dated 10.02.2005
 (3) Alternative parameter range, only



The parameter range is subject to be changed by OCP due to technical innovation and re-development



| | date | respons. |
|-------------|------------|-------------------------|
| OCP-Lab | 28.02.2005 | Dr. S. Koch A. Kilic |
| Editor | 28.02.2005 | R. Sawatzki |
| Final check | 28.02.2005 | A. Przystaw |