

Technical Datasheet

## 1.04301 Iriodin<sup>®</sup> 9103 Sterling Silver WR Exterior Pigment

| CHEMICAL COMPOSITION:   | %  | CAS NO.    |
|---|--|------------|
| Mica  | 57 - 74  | 12001-26-2 |
| TiO <sub>2</sub>  | 26 - 35  | 13463-67-7 |
| SnO <sub>2</sub>  | ≤ 2  | 18282-10-5 |
| Auxiliaries   | ≤ 6  |            |
| FORM:   | Dry, free-flowing powder                       |            |
| PACK SIZES:   | 250 g, 1 kg, 20 kg                             |            |
| POWDER COLOR:   | White  |            |
| INTERFERENCE COLOR:   | Silverwhite                                    |            |
| PARTICLE SIZE:<br>(laser diffraction)                             | 5 – 40 μm<br>(> 80% of particles within range) |            |
| PARTICLE SIZE   |  |            |
| d10   | 8 – 13 μm                                      |            |
| d50   | 18 – 24 μm                                     |            |
| d90<br>(laser diffraction)  | 36 – 45 μm                                     |            |
| 75 μm SIEVE ANALYSIS (clean check/particles)<br>(internal method) | ≤ 100 particles                                |            |
| CONDUCTIVITY (10% AQUEOUS SUSPENSION)<br>(ISO 787-14)             | ≤ 150 μS/cm                                    |            |
| DENSITY:<br>(ISO 787-10)  | 2.9 – 3.1 g/cm <sup>3</sup>                    |            |
| BULK DENSITY:<br>(ISO 3923-2)                                     | 17 - 22 g/100 ml                               |            |
| WATER SOLUBILITY:   | Practically insoluble                          |            |
| pH VALUE:   | 6.0 – 9.0                                      |            |

# technical data sheet



(ISO 787-9)

|                     |                                   |
|---------------------|-----------------------------------|
| HEAT STABILITY:     | Stable up to 230°C, non-flammable |
| SHELF LIFE:         | 10 years                          |
| STORAGE CONDITIONS: | Room temperature                  |
| DATE OF ISSUE:      | April 2023                        |

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