# DELIKECOLORS® GREEN 7710

$Cr_2O_3$ · C.I. Pigment Green 17 (77288) · CAS 1308-38-9 · Nano Series™ · Blue-shade · 100–500 nm nano particles

## PRODUCT DESCRIPTION

Compared with traditional chromium oxide green, nano-chromium oxide green features a smaller particle size (100–500 nm vs 1–5 μm), large specific surface area and excellent dispersibility.

## APPLICATIONS

Specialty pigments, catalysts, advanced ceramics

## TYPICAL SPECIFICATION

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| Product name | **DELIKECOLORS® GREEN 7710** | Colour Index | **Pigment Green 17 (77288)** |
| $Cr_2O_3$ content | **98.0 – 99.6 % (ISO 4621-1986)** | CAS No. | **1308-38-9** |
| Powder size | **D50 1.0 – 2.0 μm** | Water-soluble salts | **≤ 0.70 %** |
| Hexavalent chromium | **≤ 10 ppm** | Screenings (0.045 mm) | **≤ 0.30 %** |
| pH (aqueous slurry) | **6 – 8** | Oil absorption | **≤ 25 g/100 g (ISO 787-5:1995)** |
| Relative colouring power | **95 – 105 %** | Lightfastness | **8 / 8 (ISO 105-B02)** |
| Weatherfastness | **5 / 5** | Heat stability | **982 °C** |
| Melting point | **2435 °C** | Mohs hardness | **8.5 – 9** |
| Relative density | **5.1** | Internal code | **—** |

## COMPLIANCE

EU REACH registered · EU RoHS (2011/65/EU) · China GB 18666 · CLP not classified · Cr(VI) controlled · California Proposition 65 warning applies (trace impurities, not intentionally added).

## PACKAGING & SHELF LIFE

25 kg paper bags (1 t pallet) · 500 kg & 1000 kg big bags · product shelf life 10 years · packaging 5 years (25 kg) / 3 years (1 t). Store dry, away from strong oxidisers.