

Dimethicone-Treated Chromium Oxide Green

Introduction

Chromium oxide is a green material. The dimethicone treatment adds a degree of “slip” to the particles allowing for better color saturation. The resulting green pigment is predominantly used in cosmetics manufacturing.

Analytical Test Method

RI (particle): 2.50-0.00i

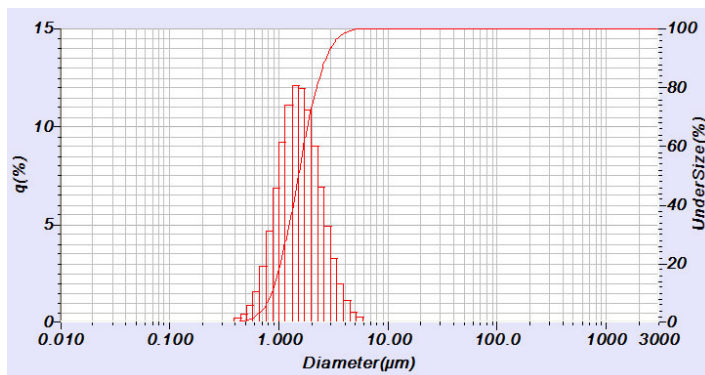
Dispersant fluid: Water with 0.1% sodium pyrophosphate

Sonication: None

Circulation speed: 4

Agitation speed: 2, continuous

Note: The sample is slightly hydrophobic. Pre-wet a small amount of sample in a beaker with 50:50 mixture of water and Micro-90 surfactant.



Example data

| | |
|---------|---------|
| Median: | 1.51 µm |
| Mean: | 1.73 µm |
| D(10%): | 0.89 µm |
| D(90%): | 2.87 µm |