

CHROME OXIDE GREEN

CHARACTERISTICS

Product name	Cr ₂ O ₃ Chrome oxide Chrome (III) Oxide Dichromium Trioxide
Appearance	Green powder

IDENTIFICATION

CAS No	1308-38-9
EINECS No	215-160-9

ANALYTICAL DATA

Cr ₂ O ₃	% >99.0								
Humidity (H ₂ O)	% <0.1								
Mass portion of soluble substances	% 0.1								
pH	6-8								
Relative colouring power	% >105								
Cover strength	11g/m ²								
Residue after sieve No. 0045	% <0.01								
Particle size distribution (typical) - Laser determination -	<table> <thead> <tr> <th></th> <th>d(0,1)</th> <th>d(0,5)</th> <th>d(0,9)</th> </tr> </thead> <tbody> <tr> <td>Diam. In µm</td> <td>0,7</td> <td>2</td> <td>11</td> </tr> </tbody> </table>		d(0,1)	d(0,5)	d(0,9)	Diam. In µm	0,7	2	11
	d(0,1)	d(0,5)	d(0,9)						
Diam. In µm	0,7	2	11						
BET Surface area	3-4 m ² /g								
Total extractable chromium (CrO ₃)	< 5ppm (EU-NFT 90-043)								

Impurities

SiO ₂	% < 0.07
Al ₂ O ₃	% < 0.25
TiO ₂	% < 0.01
Fe ₂ O ₃	% < 0.3
CaO	% < 0.01
MgO	% < 0.01

APPLICATIONS

Refractory industry, ceramic industry, pigment industry, glass industry, etc.

PACKING

Paper bags 25 kg net weight on 1000 kg pallets

STORAGE STABILITY

In dry place, in original packing

SPECIAL ADVICE FOR SECURITY

Refer to safety data sheet

