

Technical Data Sheet

Chrome Oxide Green GS

Description

Type	Green pigment
Delivery form	Powder
Chemical class	Chromium oxide Cr ₂ O ₃
Colour Index	Pigment Green 17 (77288)
CAS-No.	1308-38-9
REACH registration no.	01-2119433951-39-0000

Specified Color Data

Colour values and tinting strength			
Standard	Chrome Oxide	Green GS	
Year	2010		
Binder	Test paste bas drying alkyd re		
	min	max	Test method
Full shade			No. 001 41
Δ L*	-1.5	1.5	
Δ a*	-1.5	1.5	
Δ b*	-1.5	1.5	
$\Delta E^{\star}_{_{ab}}$		2.0	
Reduction with titanium dioxide (1:5) Colour values after matching of the tinting strength parameter Y, i.e. $\Delta L^*=0$			No. 001 ⁴¹
Relative tinting strength [%]	95	105	

Specified Technical Data

Technical Data	min	max	Test method
Water soluble Cr(VI) [ppm]		5	PVS 103 41
Sieve residue (0.045 mm sieve) [%]		0.2	DIN EN ISO 787-7:2009



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Informative Technical Data (guide values)

					Test method
Cr ₂ O ₃ content [%]	~		99		X-ray fluorescence
pH value		5	-	7	DIN EN ISO 787-9:1995
Water soluble content [%]	~		0.3		DIN EN ISO 787-3:2000
Loss on ignition at 1000 °C, 0.25 h [%]	<		0.4		DIN ISO 4621:1988
Particle shape			spheri	cal	Electron micrographs
Predominant particle size [µm]	~		0.3		Electron micrographs
Tamped density [g/ml]		0.8	-	1.2	DIN EN ISO 787-11:1995
Density [g/ml]	~		5.2		DIN EN ISO 787-10:1995



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⁴¹ Obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, mailto: ipg.product-information@lanxess.com

Packaging

25-kg-bag 1000-kg-bulk bag

Transport and storage

fluctuations in temperature.	General storage conditions:	Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.
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Safety

The product is not classified as dangerous under the relevant EC Directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations.

In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured. The safety data sheet should be observed. This contains information on handling, product safety and ecology.

Status of registration (not specified)

The components of this product are listed on the following inventories:						
Europe:	USA:	Canada:	Australia:	New Zealand:		
EINECS	TSCA	DSL	AICS	NZIOC		
Philippines:	Japan:	Korea:	China:	Taiwan:		
PICCS	ENCS + ISHL	ECL	IECSC	NECSI		

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