

Technical Data Sheet

Ref: SV-B80
Date: 07-02-2020
Version: 017
Page: 1 of 2

Commercial Name: SICOVIT® Black 80 E172

Manufacturer: Venator Pigments S.r.l.

General Description

Chemical Formula: Fe₃O₄
Type: High purity black iron oxide pigment
Colour Index: Black 11 (77499)
CAS No.: 1317-61-9
EINECS No.: 215-277-5
Form: Powder

Technical Data - Specified Values

<u>Test Parameter</u>	<u>min.</u>	<u>max.</u>	<u>Test Method</u>	<u>Based on</u>
Colour Tolerance against current standard:				
ΔE Full Shade		2.4	LO-53	Internal method
ΔE Reduced Shade (corr.)		1.0	LO-54	Internal method
Relative Tinting Strength (%)	95	105	LO-54	Internal method
Appearance	must comply		Visual	JPE
Identification	must comply		LO-46	JPE/USP-NF/E172
Water Soluble Substances (%)		0.75	LO-67	JPE/USP-NF/E172
Conductivity (μS/cm)		300	LOG-04	EN ISO 787-14
Sieve Residue on 44 μm (325 Mesh, %)		1.0	LO-08	EN ISO 787-7
pH	6.5	8.5	LO-06	EN ISO 787-9
Loss on Ignition	For information only		LO-34	Internal method
Loss on Drying (%)		1.0	LOG-25	EN ISO 787-2/USP-NF
Assay (Fe, %)	68.0		LO-16	E172
Assay (Fe ₂ O ₃ , % on the ignited basis)	97.0	100.5	LO-41	USP-NF/JPE
Acid Insoluble Substances		0.3%	LO-36	USP-NF
Organic Colours and Lakes	must comply		external	USP-NF

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Venator is a trading name of Venator Pigments S.r.l., Via G. Reiss Romoli, 44/12 10148 TORINO. Cap. Soc. €3.819.930 I.V. – C.F. e Iscr. R.I. Torino 02146370263 – P.IVA IT 07365630016. Società soggetta a direzione e coordinamento di Venator Materials International UK Limited.

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Metals – In accordance with Commission Regulation (EU) N° 231/2012 (E172), BGBl. 1 and with the requirements of FDA 21.CFR.73.200, 21.CFR.73.1200, 21.CFR.73.2250, 21.CFR.73.3125, USP-NF, JPE, JECFA and WHO/FAO

<u>Test Parameter</u>		<u>max.</u>	<u>Test Method</u>	<u>Based on</u>	
Arsenic	As	ppm	1	LO-27	JPE/USP-NF/E172
Barium	Ba	ppm	For information only	LO-27	Internal method
Barium Qualitative	Ba		Complies	LO-76	ChP
Cadmium	Cd	ppm	1	LO-27	USP-NF/E172
Chromium	Cr	ppm	30	LO-27	USP-NF/E172
Mercury	Hg	ppm	0.5	LO-27	USP-NF/E172
Nickel	Ni	ppm	150	LO-27	USP-NF/E172
Lead	Pb	ppm	5	LO-27	USP-NF/E172
Copper	Cu	ppm	30	LO-27	E172
Zinc	Zn	ppm	50	LO-27	E172
Antimony	Sb	ppm	5	LO-27	Internal Method
Selenium	Se	ppm	1	LO-27	Internal Method
Total Heavy Metals (as Pb)		ppm	30	external	JPE

Microbiology – In accordance with Ph. Eur. 2.6.12B, 2.6.13B

<u>Test Parameter</u>	<u>Requirement</u>
Total Aerobic Microbial Count (TAMC)	Max. 1000 cfu/g
Total Combined Yeasts and Moulds Count (TYMC)	Max. 100 cfu/g
Enterobacteria	Negative in 1g
Escherichia coli	Negative in 1g
Pseudomonas aeruginosa	Negative in 1g
Candida albicans	Negative in 1g
Staphylococcus aureus	Negative in 1g
Salmonella	Negative in 10g

Standard Packaging

20 Kg bags

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing risk. The data are controlled at regular intervals as part of our quality assurance program. SELLER MAKES NO WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, BY FACT OR LAW, INCLUDING WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.

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