



Specification

Concerning Product:	
Article number	1332587V02
Trade name / designation / denomination	Kaolin 780
CAS number	1332-58-7
Other names / synonyms	•Kaolin; •Kaolin, Colloidal, Powder; •Kaolin, Powder, FCC; •Kaolin, Powder, USP;
EC number	310-194-1 310-127-6
Molecular weight [g / mol]	258,16
Formula	H ₄ Al ₂ O ₉ Si ₂

Parameter	Test Method	Specification	Unit
Organoleptic test			
Colour	ISO 2470	Brightness R 457: ~ 78,0	%
Colour	Zellcheming V/27.5/90	Hue: ~ 1,13	
Colour	Zellcheming V/27.5/90	Luminance A: ~ 83,4	%
Colour	Zellcheming V/27.5/90	Saturation: ~ 0,45	
Physical parameter			
Form		crystalline powder	
Loss on drying	DIN EN ISO 787-2	~ 1,0	%
Loss on ignition	DIN 51081	≤ 12,3	%
Surface tension	DIN ISO 9277	Surface area BET: ~ 17	m ² /g
Oil absorption	DIN EN ISO 787-5	~ 54	g/100 g
pH value	DIN EN ISO 787-9	~ 6,5	
Bulk density	DIN 53466	~ 400	kg/m ³
Identity			
Assay	DIN 51001	Al ₂ O ₃ : ~ 35,3	%
Assay	DIN 51001	Fe ₂ O ₃ : ~ 1,7	%
Assay	DIN 51001	K ₂ O: ~ 2,6	%

Assay	DIN 51001	Na ₂ O: ~ 0,1	%
Assay	DIN 51001	SiO ₂ : ~ 47,0	%
Assay	DIN 51001	TiO ₂ : ~ 0,5	%
Elemental Impurities			
Barium (Ba)	EN 71-3	≤ 10	ppm
Lead (Pb)	EN 71-3	≤ 10	ppm
Particle size distribution			
Particles	Zellcheming V/27.3/90	< 2 µm: ≤ 52	%
Particles	Zellcheming V/27.3/90	D ₅₀ : ≤ 1,9	µm
Particles	Zellcheming V/27.6/90	Residue on screen > 45 µm: ≤ 0,03	%

Annotation:

It applies to the user to test the suitability for his purposes. If wanted, we are prepared to give further information on tolerances and on our experience in technical applications. Sales are subject to our sales and delivery conditions.

The above data represent averages determined on the basis of our knowledge and experience. However, all information offered is and shall remain nonbinding.

The product is produced from prepared natural raw minerals. All data are approximate values with tolerances depending on occurrences and production. They only serve as description and do not represent any warranty concerning the existence of specific characteristics. Traces of coarser particles may be possible.

Supplemental information:

Regional origin: D

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 23. Apr. 2025

LF-Basis: (2017-03)

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assume no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.