

PRELIMINARY DATA SHEET

Kaolin DS

Kaolin DS is a fine, dry-separated, raw kaolin clay powder, which is used in its raw or further refined form as an additive for a variety of building materials ranging from paint, to castings and specialty plasters and specialist applications of these, as well as a mineral filler for various industrial applications.

PROVISIONAL VALUES AND ANALYSIS

Chemical composition:

SiO ₂	60,3%
Al ₂ O ₂	23,5%
K ₂ O	2.3%
TiO ₂	0.7%
Fe ₂ O ₃	1.1%

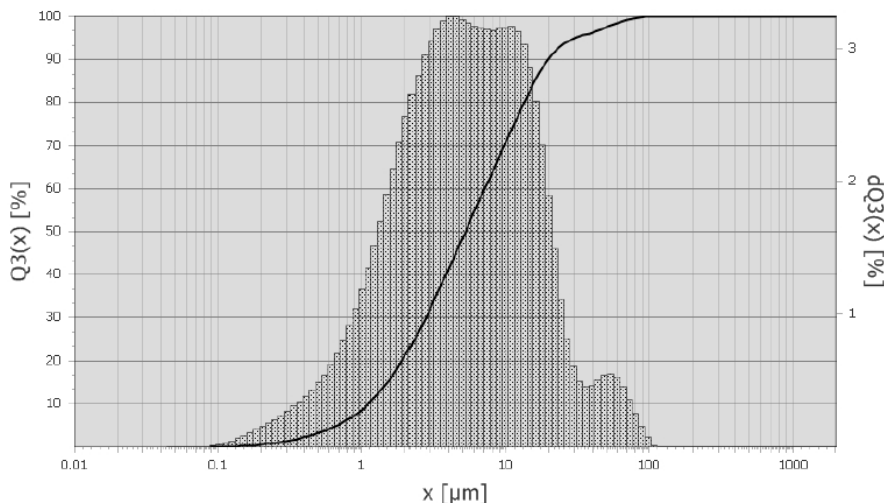
CAS Numbers and description

1332-58-7	Kaolin
14808-60-7	Quartz (SiO ₂)

Physical analysis:

Colour	Off-white
Whiteness	± 70%
Aerated powder density	700kg/m ³
Tapped powder density	850kg/m ³
Mean particle size	d50 = 5.2µm
Loss on Ignition (LOI) @ 1000°C	7.65%
Moisture content	<1%

Particle size distribution:



Q3(x) [%]	x [µm]
5	0.7
10	1.1
25	2.3
50	5.2
75	11.4
90	19.7
95	30.1
99	66.5

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