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TECHNICAL INFORMATION

Activated bleaching earth

Type: ATL-2

Product description

ATL-2 is a highly active bleaching earth used in a wide scope of applications. It is manufactured by acid activation of calcium bentonite.

ATL-2 is very suitable for refining vegetable and animal oils and fats, moreover for finishing and/or reprocessing paraffins and waxes.

Physical/chemical characteristics (typical product data)

Apparent bulk density	g/l	530
Free moisture (2 h, 110 °C)	%	~ 10
Loss on ignition (predried, 2 h, 1.000 °C)	%	7,2
pH (10% suspension, filtered)	-	5.5 –6,5
Acidity	mg KOH/g	6,5
Chloride content	mg Cl/g	0,01
Surface area	m ² /g	230
Free acid(calcalated as H ₂ SO ₄)	%	0.01
Decolorization ability	%	90

Filtration properties

The filtration time remains below 60seconds.

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Particle size distribution

The particle size of ATL-2 is determined by a sieve analysis of the dry powder. The following average values have been found for the various sieve fractions:

> 150 μm	%	5
> 45 μm	%	39

Chemical analysis

ATL-2 (dried at 110°C for 2 hours) has the following composition (average values):

SiO ₂	%	68,4
Al ₂ O ₃	%	14,3
Fe ₂ O ₃	%	3,6
CaO	%	0,9
MgO	%	2,2
Na ₂ O	%	0,6
K ₂ O	%	1,9

Further information and technical advice

A representative sample from the purchase order lot should be sent in advance. Besides, each consignment must be accompanied by the relevant certificated of analysis. If desired, We can provide further technical service support.