

ACTIVATED BLEACHING EARTH Analysis

KF Product

The KF Product is used in refining edible and *vegetable* oils

Different types of KF:

Various types of KF, based on all general and economical specifications, is divided into two main sub-grades:

1-Super grade, including KF1 and KF2

2-Special grade

Application of various types of KF:

1-Super types KF1 and KF2 have general uses, applied for all kinds of oils. For production of Colza oil, and cotton seed it is better to use KF1. For soya, corn and other edible oils KF2 is used.

2-Special type: under the ordinary conditions KF1 and KF2 can meet every requirement of the consumer. However sometimes due to unusual and temporary changes in raw oil (i.e. the oil production circumstances) or defects in the refinery line (i.e. trouble in the odorless and vacuum system, etc..) the manufacturer might expect special functions from the earth. In this case the consumer should report the problem to the factory while specifying the case, to order a special type of earth to be used. Obviously the consumer who places such an order must consider a priority for his order in his agenda aimed at trouble shooting and removing the factors which caused such defects.

PHYSICAL / CHEMICAL CHARACTERISTICS (TYPICAL PRODUCT DATA)

Bulk density	g/l	400-550
Free moisture (2 h, 110 °C)	%	max 10
pH (10% suspension, filtered)	-	3-4 (2% solution)
particle size : more than 90% pass through 200 mesh size.		
Free acidity: less than 0.2 (as sulfuric acid)		
Solubility: Not soluble in water		

CHEMICAL ANALYSIS

SiO ₂	%	65.96
MgO	%	1.95
K ₂ O	%	0.81
Al ₂ O ₃	%	9.94
Fe ₂ O ₃	%	0.88
CaO	%	1.60
Na ₂ O	%	0.31
Loss on ignition	%	17.52