



IOKAL® KALKOLIN (FOOD GRADE)

(Meeting EN 95/45/EC requirements for E170)

SITE:	ATHENS, Greece (Certified ISO 9001)		
SHORT DESCRIPTION OF THE PRODUCT:	IOKAL KALKOLIN is a high purity natural calcium carbonate, manufactured from selected mineral, free of heavy metals.		
CHEMICAL ANALYSIS OF THE RAW MATERIAL:	CaCO ₃	99.00	%
	MgCO ₃	0.15	%
	SiO ₂	0.05	%
	Fe ₂ O ₃	0.01	%
	Acid insoluble substances	0.1	%
	Heavy metals content	15	ppm
	Calcium content	39.7	%
PHYSICAL PROPERTIES OF THE PRODUCT:	Density (ISO 787/10)	2.7	g/ml
	Hardness (Mohs)	2.5	
	Moisture ex works (ISO 787/2)	0.2	%
PARTICLE SIZE DISTRIBUTION:	Fineness (SYMPATEC):		
	-Mean particle size (d50%)	6.0	µm
	-Top cut (d98%)	32.0	µm
	-Particles < 2 µm	19	%
<div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;"> <p>Dry sieving analysis (ISO 787/7)</p> <p>< 40 µm 0.01 max</p> </div> <div> <p>Particle Size Distribution Checked by SYMPATEC</p> </div> </div>			
OPTICAL PROPERTIES:	Brightness (Ry, C/2°, DIN 53163)	90.0	%
	Brightness CIE L*, a*, b* (DIN 6174)	96.0/0.2/3.3	
OTHER PROPERTIES:	Packed Bulk density (ISO 787/11)	1.4	g/ml
	pH (ISO 787/9)	9	
	Water absorption (ISO 787/5)	20	g/100 g
	Water Solubility	0.05	g/1 L
MAIN APPLICATIONS:	Food Additive as E170 (95/45/EC & 2001/30/EC) -Limestone, ground as FCC V -Natural calcium source -Chewing gum and gum base -Toothpaste application		
STANDARD PACKAGING:	BULK BAG (paper) of 25 kg on pallet BIG BAG Shelf life in dry conditions: 3 years		

The above values are based on measurements carried out according to our quality management system and thus must not be considered as guaranteed.

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