IONIAN KALK S.A.

TECHNICAL DATA SHEET



IOKAL® KALKOLIN (FOOD GRADE)

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

SITE: ATHENS, Greece (Certified ISO 9001)

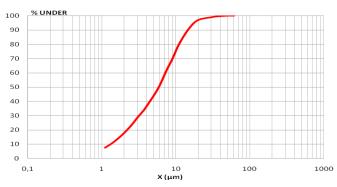
IOKAL KALKOLIN is a high purity natural calcium carbonate, manufactured SHORT DECRIPTION OF THE PRODUCT:

from selected mineral, free of heavy metals.

CHEMICAL ANALYSIS OF THE	CaCO ₃	99.00	%
RAW MATERIAL:	MgCO₃	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	Density (ISO 787/10)	2.7	g/ml
PRODUCT:	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	%

Particle Size Distribution Checked by SYMPATEC

Dry sieving analysis (ISO 787/7) < 40 µm 0.01 max



OPTICAL PROPERTIES:	Brightness (Ry, C/2°, DIN 53163) Brightness CIE L*, a*, b* (DIN 6174)	90.0 96.0/0.2/3.3	%
OTHER PROPERTIES:	Packed Bulk density (ISO 787/11) pH (ISO 787/9)	1.4 9	g/ml
	Water absorption (ISO 787/5) Water Solubility	20 0.05	g/100 g g/1 L
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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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