INTER CONTINENT GROUP

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Quality certificate

For olive cake

Nr.	Characteristics verification	Unit	Standard	Actual result	Uncertainty
1.	Moisture content, M	w%	LVS EN ISO 18134-1	9,3	+/-0,2
2.	Ash content, db, 550 °C	w%	LVS EN ISO 18122	9,54	+/-0.18
3.	Gross Calorific value at constant volume Q gr, as received, V=const.	MJ/kg Kcal/kg MWh/t	EN ISO 18125	18,83 4497 5,23	+/-0,5%
4.	Net Calorific value at constant pressure Q net, as received, P=const.	MJ/kg Kcal/kg MWh/t	EN ISO 18125	17,44 4164 4,84	+/-0,5%
5.	Chlorine content, dry basis, Cl	w%	LVS EN ISO 16994	0,187	+/-0,025
6.	Nitrogen content, dry basis, N	w%	LVS EN ISO 16948	0,95	+/-0,08
7.	Sulphur content, dry basis, S	w%	LVS EN ISO 16994	0,184	+/- 0,031
8.	Bulk density, BD	Kg/m3	LVS EN ISO 17828	680	+/-10
9.	Ash melting behavior oxidizing atmosphere (AFT) - Shrinkage starting temperature - Deformation temperature, DT - Hemisphere temperature, HT - Flow temperature, FT	•c	LVS CEN/TS 21404 /Fuse process phenomena/	 800 980 1180 1200	+/-10
10.	Pellets material fractions size distribution (Dry sieve test) < 4,0 mm < 3,15mm < 2,0 mm < 1,0 mm < 0,25 mm	w%	LVS EN ISO 17827-2	 94,2 80,9 65,8 40,4 13,7	+/-0,1
	Chemical elements content in the dry material	(db)		**Concentration**	+/-
11.	- Arsenic (Arsenicum), As	mg/kg		0,2	0,1
12.	-Cadmium, Cd	mg/kg	ISO/TS	≤ 0,1	
13.	- Chromium (Cromium), Cr	mg/kg	16996;	3,5	0,4
14.	- Copper (Cuprum), Cu	mg/kg	ISO 16968;	9,9	0,7
15.	- Lead (Plumbum), Pb	mg/kg	LVS EN 15309	1,2	0,1
16.	- Mercury (Hydrargyrum), Hg	mq/kq		≤ 0,1	
17.	- Zink (Zincum), Zn	mg/kg		14,2	1,0
18.	-Na + K	mg/kg		14493	
	Oxides content in the Ash (Ashing at 550°C, db)				
19.	Na20 +K20	w%	ISO/TS 16996 EN 15309	18,38	
20.	Fe203	w%	ISO/TS 16996 EN 15309	1,19	+/-0.13

Director Gennadiy Stoyanov

