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S. MAURIZIO D'OPAGLIO, July 21st, 2008

REPORT N.	1474
Sample collected by :	Mr. Papalardo
date in:	July 15 th , 2008
Name of the sample :	N.1 Coffee maker (3 cups) Moka Express

Scope and purpose of the test del test: samples have been tested to verify the leaching of metals in accordance with client requests and of Istituto Superiore di Sanità referring to the limits of Acceptable Daily Intake (ADI).

EXPOSURE

Sample has been put into contact with 150 ml of deionized water put in the boiler with 15 g. of coffee powder Lavazza Crema e Gusto. Water has been heated as in the normal use, the liquid once in the upper part has been collected and put in a capsule. The liquid has been evaporated and the residue has been dissolved with a Nitric Acid solution 1:1.

APPLIED STRUMENTATION

ICP Thermo Jarrel Ash IRIS Mat.10949.

ANALYSIS METHOD: EPA 200.7

DETERMINATION OF METALS LEACHING:

The obtained data have been compared with limits of Acceptable Daily Intake and where applicable with D.M. March 21st, 1973:

Coffee maker 3 cups Moka Express:

Metal	µg /cup*	mg/day**	Limit as ADI mg/day***	Limit as D.M. 21/3/1973**** ppm
Alluminium	282,75	2,262	70	
Cadmium	0,05	0,0004	0,07	
Chromium tot.	1,217	0,0097	0,5	0,1
Copper	10,95	0,0876	35	
Arsenic	< 0,01	< 0,0001	56	
Mercuri	< 0,01	< 0,0001	3,0	
Nickel	2,275	0,0182	0,3	0,1
Lead	0,525	0,0042	0,25	
Antimonium	0,186	0,0015	70	

*Value obtained considering as 50 ml the volume of a cup

** Value obtained considering the consumption of 8 cups of coffee/day

***Value established from FAO for an adult man of 70 Kg.

****Value referred to the limit of leaching for steel objects

The analyst

Dott.ssa Paola Zeffiretti

The responsible

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