



L 1393

Institute of Public Health in Ostrava
Centre of Hygienic Laboratories
CAI Accredited Testing Laboratory No. 1393
Partyzánské náměstí 7, 702 00 Ostrava

TEST REPORT No. 48787/2012

Customer : NanoGT a.s.
U Pekáren 225
102 00 Praha 10

Set No. : 25218
Sample Received : 21.8.2012 11:00
Sample Analyzed : 21.8.2012- 3.9.2012
Ref. No. : ZU/25233/2012
File No. : S-ZU/25233/2012
File code : 4.0.3

Sample No. : 79208
Sampling date : Not mentioned
Sample name: **Nano suspension TiO₂ - Smart Coat- 95% ethanol**
Sample amount : 4 pcs
Sample Type : Materials in contact with foodstuffs, subject of natural user, toys
Sampled by : Customer
Mode of sampling : Not mentioned
Purpose : on the request customers . Suspension will be used to coat the walls in food production.
Notice : The samples by customer were prepared, the nanosuspension was spread on small glass plates.

Results - chemical analysis

Parameter	Value	Unit	Kind	Method used	Uncertainty
Hg	<0,005	mg/kg	A	SOP OV 200.03 ²	-
Ag	0,00110	mg/kg	A	SOP OV 201 ²	±20%
As	<0,0000100	mg/kg	A	SOP OV 201 ²	-
Ba	0,000434	mg/kg	A	SOP OV 201 ²	±20%
Cd	0,0000350	mg/kg	A	SOP OV 201 ²	±20%
Co	0,0000235	mg/kg	A	SOP OV 201 ²	±20%
Cr	0,00185	mg/kg	A	SOP OV 201 ²	±20%
Cu	0,000615	mg/kg	A	SOP OV 201 ²	±20%
Fe	0,0430	mg/kg	A	SOP OV 201 ²	±20%
Li (lithium)	0,0000700	mg/kg	A	SOP OV 201 ²	±20%
Mn	0,000540	mg/kg	A	SOP OV 201 ²	±20%
Pb	0,00140	mg/kg	A	SOP OV 201 ²	±20%
Sb	0,0000250	mg/kg	A	SOP OV 201 ²	±20%
Se	<0,000100	mg/kg	A	SOP OV 201 ²	-
Ti	0,00101	mg/kg	A	SOP OV 201 ²	±20%
Zn	0,00140	mg/kg	A	SOP OV 201 ²	±20%

Notice to sampling : The sampling itself is not a subject of accreditation.

Notice to analysis :

Conditions of leaching: simulator 95% ethanol, for 1 hour, at temperature 40± 2°C, three times. Simulator volume of 200 ml was in contact with area of 200 cm². The last (third) extract was analyzed.

Expertise and interpretations :

The sample (in the range of analysed parameters) meets the requirements of Regulation (EC) No 1935/2004 of the European Parliament and of the Council and Commission Regulation No. 10/2011.

