

**Institute of Public Health in Ostrava**

Centre of Hygienic Laboratories

CAI Accredited Testing Laboratory No.1393 according to SN EN ISO/IEC 17025:2005

Partyzánské nám. stí 7, 702 00 Ostrava

TEST REPORT No. 5361/2017

Customer : CRYSTAL COLLOIDALS
Thomas Alva Edisonweg 3
6045 GN Roermond
NL

Set No. : 2567
Sample Received : 30.1.2017 9:00
Sample Analyzed : 30.1.2017 - 3.2.2017
Ref. No. : ZU/ZU/01044/2016
File No. : S-ZU/ZU/01044/2016
File code : 4.0.3

Sample No. :	8320
Sampling date :	Not mentioned
Sampling time:	Not mentioned
Sample name:	8.Colloidal Silver - S3 Chemicals - Kolloidales Silber - 10 ppm - S1001020.5
Sample Type :	Drinking water
Sampled by :	Customer
Mode of sampling :	Not mentioned

Results - chemical analysis

Parameter	Value	Unit	Type	Method used	Uncertainty
Ag	4,75	mg/l	A	SOP OV 201 ²	±20%

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

Notice to analysis :

The share of ionic silver (Ag⁺) measured by ISE method is 37,3%.

Method specification :

SOP OV 201 (SN EN ISO 17294-1, SN EN ISO 17294-2)

Laboratory workplace :

⁽²⁾ - Analyses performed at Ostrava (Partyzánské nám. 7, 702 00 Ostrava)

Methods in TYPE column: "A" accredited test

< - the result is below the detection limit, > - the result is higher than the value presented

Results deal with tested samples only.

Without a written consent of the laboratory, this Report can be reproduced only complete.

These expanded uncertainties of measurement are obtained by multiplying of standard uncertainty of measurement by extending coefficient k=2 (for confidence level 95%). Uncertainty of sampling not included.

Head of Hygienic Laboratories Center : Došká ová Šárka, RNDr.

Checked by : Lach Karel, Ing. CSc.

Completed by : Lach Karel, Ing. CSc.

Number of pages : 1

Date : 14.2.2017

Ing. Vladimíra N mcová
Head of Department of Inorganic Analyses



Size Distribution Report by Number

Sample Details

Sample Name: 8321 S3 Chemicals Kolloidales Silber 10ppm S1001020.5 AVG

SOP Name: nanoAg 12 repetition.sop

General Notes: Average result created from record number(s): 388 389 390 391 392 393 394 395 397

File Name: CRYSTAL colloidal.dts	Dispersant Name: Water
Record Number: 399	Dispersant RI: 1.330
Material RI: 0.14	Viscosity (cP): 0.8872
Material Absorbtion: 3.99	Measurement Date and Time: 2. února 2017 10:44:19

System

Temperature (°C): 25.0	Duration Used (s): 80
Count Rate (kcps): 118.9	Measurement Position (mm): 4.65
Cell Description: Disposable sizing cuvette	Attenuator: 7

Results

	Size (d.nm):	% Number
Peak 1:	41.47	100.0
Peak 2:	0.000	0.0
Peak 3:	0.000	0.0

