

**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. 5352/2017**

**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

<b>Sample No. :</b>	<b>8306</b>
<b>Sampling date :</b>	Not mentioned
<b>Sample name:</b>	1.Colloidal Silver - Institute Katharos - Ionisch Kolloidates Silber - 40 ppm
<b>Sample Type :</b>	Drinking water
<b>Sampled by :</b>	Customer
<b>Mode of sampling :</b>	Not mentioned

**Results - chemical analysis**

Parameter	Value	Unit	Type	Method used	Uncertainty
Ag	41,7	mg/l	A	SOP OV 201 <sup>2</sup>	±20%

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

**Notice to analysis :**

The share of ionic silver (Ag<sup>+</sup>) measured by ISE method is 95%.

**Method specification :**

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

**Laboratory workplace :**

<sup>(2)</sup> - 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.

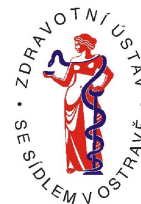
**Checked by :** Lach Karel, Ing. CSc.

**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:** 8307 2567 2017 Institute Katharos - Ionisch Kolloidales Silber 40p...

**SOP Name:** nanoAg.sop

**General Notes:** Average result created from record number(s): 210 211 213 214 217 218  
219 221 222 223 224

<b>File Name:</b> CRYSTAL colloidal.dts	<b>Dispersant Name:</b> Water
<b>Record Number:</b> 266	<b>Dispersant RI:</b> 1.330
<b>Material RI:</b> 0.14	<b>Viscosity (cP):</b> 0.8872
<b>Material Absorbtion:</b> 3.99	<b>Measurement Date and Time:</b> 30. ledna 2017 14:24:44

### System

<b>Temperature (°C):</b> 25.0	<b>Duration Used (s):</b> 60
<b>Count Rate (kcps):</b> 391.6	<b>Measurement Position (mm):</b> 1.25
<b>Cell Description:</b> Disposable sizing cuvette	<b>Attenuator:</b> 11

### Results

	Size (d.nm):	% Number
<b>Peak 1:</b>	51.15	99.4
<b>Peak 2:</b>	343.4	0.6
<b>Peak 3:</b>	0.000	0.0

