

**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. 63917/2017**Customer :** CRYSTAL COLLOIDALS

Thomas Alva Edisonweg 3

6045 GN Roermond

NL

Set No. : 38331**Sample Received :** 2.11.2017 12:00**Sample Analyzed :** 2.11.2017 - 7.11.2017**Ref. No. :** ZU/ZU/01044/2016**File No. :** S-ZU/ZU/01044/2016**File code :** 4.0.3

| | |
|---------------------------|--|
| Sample No. : | 123025 |
| Sampling date : | Not mentioned |
| Sample name: | Crystal colloidal Zinc batch Zn271017# |
| Sample Type : | Colloids |
| Sampled by : | Customer |
| Mode of sampling : | Not mentioned |

Results - chemical analysis

| Parameter | Value | Unit | Type | Method used | Uncertainty |
|-----------|-------|------|------|-------------------------|-------------|
| Zn | 27,9 | mg/l | A | SOP OV 201 ² | ±20% |

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

| | |
|---------------------------|--|
| Sample No. : | 123026 |
| Sampling date : | Not mentioned |
| Sample name: | Crystal colloidal Gold batch Au010917. |
| Sample Type : | Colloids |
| Sampled by : | Customer |
| Mode of sampling : | Not mentioned |

Results - chemical analysis

| Parameter | Value | Unit | Type | Method used | Uncertainty |
|-----------|-------|------|------|-------------------------|-------------|
| Au | 11,8 | mg/l | A | SOP OV 201 ² | +20% |

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

| | |
|---------------------------|---|
| Sample No. : | 123027 |
| Sampling date : | Not mentioned |
| Sample name: | Crystal colloidal Iridium batch Ir301017. |
| Sample Type : | Colloids |
| Sampled by : | Customer |
| Mode of sampling : | Not mentioned |

Results - chemical analysis

| Parameter | Value | Unit | Type | Method used | Uncertainty |
|-----------|-------|------|------|-------------------------|-------------|
| Ir | 5,34 | mg/l | N | SOP OV 201 ² | ±20% |

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

Sample No. : 123028
Sampling date : Not mentioned **Sampling time:**Not mentioned
Sample name: Crystal colloidal Copper batch Cu011117.
Sample Type : Colloids
Sampled by : Customer
Mode of sampling : Not mentioned

Results - chemical analysis

| Parameter | Value | Unit | Type | Method used | Uncertainty |
|-----------|-------|------|------|-------------------------|-------------|
| Cu | 8,59 | mg/l | A | SOP OV 201 ² | ±20% |

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

Sample No. : 123029
Sampling date : Not mentioned **Sampling time:**Not mentioned
Sample name: Crystal colloidal Silver batch Ag301017.
Sample Type : Colloids
Sampled by : Customer
Mode of sampling : Not mentioned

Results - chemical analysis

| Parameter | Value | Unit | Type | Method used | Uncertainty |
|-----------|-------|------|------|-------------------------|-------------|
| Ag | 9,57 | mg/l | A | SOP OV 201 ² | ±20% |

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

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,"N" non-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 : 3

Date : 8.11.2017

Ing. Vladimíra N mcová
Head of Department of Inorganic Analyses