

Institute of Public Health in Ostrava
Centre of Hygienic Laboratories
Partyzánské nám stí 7, 702 00 Ostrava

TEST REPORT No. 5374/2017

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. : 8336
Sampling date : Not mentioned **Sampling time:**Not mentioned
Sample name: 1. Colloidal Gold - Vectrade UG - VectoSan - Kolloidales gold - 8 ppm
Sample Type : Drinking water
Sampled by : Customer
Mode of sampling : Not mentioned

Results - chemical analysis

| Parameter | Value | Unit | Type | Method used | Uncertainty |
|-----------|--------|------|------|-------------------------|-------------|
| Au | 0,0004 | mg/l | N | 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: "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.

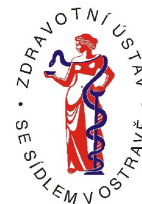
Checked by : Lach Karel, Ing. CSc.

Completed by : Lach Karel, Ing. CSc.

Number of pages : 1

Date : 14.2.2017

Ing. Vladimíra N mcová
Head of Department of Inorganic Analyses



Size Distribution Report by Number

Sample Details

Sample Name: 8337_2567_2017_Colloidal Gold_Vectrade UG_Vectosan_Kolloidales Gold 8 ppm AVG

SOP Name: nanoAu.sop

General Notes: Average result created from record number(s): 534 535 536 539 540 541

| | |
|---|---|
| File Name: CRYSTAL colloidal.dts | Dispersant Name: Water |
| Record Number: 630 | Dispersant RI: 1.330 |
| Material RI: 0.20 | Viscosity (cP): 0.8872 |
| Material Absorbtion: 3.09 | Measurement Date and Time: 8. února 2017 8:20:57 |

System

| | |
|--|--|
| Temperature (°C): 25.0 | Duration Used (s): 150 |
| Count Rate (kcps): 30.2 | Measurement Position (mm): 4.65 |
| Cell Description: Disposable sizing cuvette | Attenuator: 11 |

Results

| | Size (d.nm): | % Number |
|----------------|---------------------|-----------------|
| Peak 1: | 345.7 | 99.9 |
| Peak 2: | 4820 | 0.1 |
| Peak 3: | 0.000 | 0.0 |

