



# CUPRUM COIN

The Nano Commodity of the Future



**Proof of Assets**

May 2024



# CUPRUM COIN

The Nano Commodity of the Future

## Content

- 1) Certificate of quality, size & consistency
- 2) Certificate of purity
- 3) Certificate of chemical & microbiological
- 4) Underlying assets packaging



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# CUPRUM COIN

The Nano Commodity of the Future

**Certificate of quality, size & consistency**

**MVA** **MVA SCIENTIFIC  
CONSULTANTS**

*Full Service Analytical Microscopy Laboratory*



International  
Organization for  
Standardization



U.S. Small Business  
Administration

**MVA-SCIENTIFIC CONSULTANTS**  
**3300 Breckinridge Blvd., Suite 400**  
**Duluth, GA 30096**  
**770-662-8509**

Full-Service Analytical Microscopy Laboratory  
Accreditations-cGMP Compliant- ISO/IEC 17025  
FDA Registered- DEA Licensed

**cGMP Compliant**  
**FDA Registered**  
**DEA Licensed**  
**SBA WOSB Certified**

THERE IS TWO TEST REPORT RESULT FROM THE SAME BATCH OF -200Kg-. FOR PRODUCT QUALITY CONSISTENCY OF THE COPPER NANOPARTICLE SIZES QUALITY. AND TO ENSURE PRODUCT CONSISTENCY FOR LONG STORAGE QUALITY.

BELOW IS THE DAY RESULT:

- 1) LAB TEST-(#1)- RESULT PRODUCTION BATCH OF -200Kg  
**Inform Result: MVA14024-/-24 March 2021**  
Jacob M. Spry Research Scientist
- 2) LAB TEST-(#1)- RESULT PRODUCTION BATCH OF -200K  
**Inform Result: MVA14024-/-12 April 2022**  
Jacob M. Spry Research Scientist

Report of Results: MVA14024-Sizing of Copper Nanoparticles Prepared for:  
Corporation Meteor Minerals SPA-- Rep. Chile Certificate: 123456860756  
Meteor Minerals LLC- Identification Number: 85-3392829- PO Box 12170 Jackson,  
Wyoming 83002-ConstruMaxi LTD. RUT: 76.233.572-7 Saint Pius x 2460 of. 706  
Providence. Santiago de Chile

3300 Breckinridge Blvd  
Suite 400  
Duluth, GA 30096

770.662.8509  
FAX 770.662.8532  
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**Nanomaterials Testing Services**

Nanoparticle Size, Morphology,  
Dispersion and Homogeneity  
Analysis

Nanomaterials Characterization

Analysis of Consumer Products

Identification of Nanomaterials

Contaminant Analysis

Competitive Analysis

Crystalline Phase Determination

Workplace Exposure Monitoring

**Techniques**

Light Microscopy

Scanning Electron  
Microscopy

Transmission Electron  
Microscopy

Fourier Transform  
Infrared Spectroscopy

Confocal Raman Microscopy

White Light Interference  
Microscopy

Energy Dispersive X-ray  
Spectrometry

Fluorescence Microscopy

Ion Milling & Ultramicrotomy

**Accreditations**

cGMP Compliant

ISO/IEC 17025

FDA Registered

DEA Licensed

**Report of Results: MVA14024**

**Sizing of Copper Nanoparticles**

**Prepared for:**

**Corporation Meteor Minerals SPA  
Rep. Chile Certificate: 123456860756  
Meteor Minerals LLC  
Identification Number: 85-3392829  
PO Box 12170 Jackson, Wyoming 83002  
ConstruMaxi LTD. RUT: 76.233.572-7  
San Pio x 2460 of. 706  
Providencia, Santiago de Chile  
Chile**

**Respectfully Submitted by:**

*Jacob M. Spry*

**EXECUTED BY  
ELECTRONIC  
SIGNATURE**

**Jacob M. Spry  
Research Scientist**

*Steven P. Compton*

**EXECUTED BY  
ELECTRONIC  
SIGNATURE**

**Steven P. Compton, Ph.D.  
Executive Director**

**24 March 2021**

## Report of Results: MVA14024

### Sizing of Copper Nanoparticles

#### Introduction

On 03 March 2021 we received four bottles of copper nanoparticles in solid/liquid medical grade Vaseline via UPS for particle sizing by transmission electron microscopy (TEM). Upon receipt each bottle was assigned the unique MVA sample identification numbers shown in the table below. According to the client, all bottles are sourced from the same batch of 200 kg material, split and labeled with barcode number 7-804672-630007. Two bottles, AG0354 and AG0356, were arbitrarily selected for TEM analyses and the remaining two were retained unopened for possible additional testing. All analyses were performed in our laboratory during the period 09 March through 17 March 2021.

MVA Sample No.	Client ID
14024AG0354	NANO COPPER PARTICLE SAMPLE 7-804672-630007
14024AG0355	NANO COPPER PARTICLE SAMPLE 7-804672-630007
14024AG0356	NANO COPPER PARTICLE SAMPLE 7-804672-630007
14024AG0357	NANO COPPER PARTICLE SAMPLE 7-804672-630007

#### Methods

The samples were prepared by vigorously inverting each bottle by hand, diluting a subsample from each bottle in a 1 dram glass vial with ethanol, and homogenizing the diluted subsamples by ultrasonating the suspensions in an ultrasonic bath for 15 minutes. The diluted subsamples were deposited onto carbon-backed copper grids via micropipette. Photomicrographs of the copper nanoparticles were acquired on a Philips CM200 transmission electron microscope operating at an accelerating voltage of 180kV. After checking for eucentricity and focus, brightness and contrast were adjusted through microscope parameters prior to image capture. Images were captured using an AMT 1024x1280 pixel CCD camera. A single image from the sized nanoparticles was annotated with a scale bar for reference and calibration for manual sizing (Figures 1, 2, 8, and 9); all other sized images were unaltered prior to the measurement of particle sizes. Scale bars generated are annually calibrated with a traceable Mag\*1\*Cal nanometer scale with the most recent calibration performed on 22 April 2020.

The particle size distributions were measured in accordance with MVA SOP 318, "Manual Feature Sizing in Digital Images Using ImageJ" from digital images of the particles obtained using the Philips CM200 transmission electron microscope. Imaging parameters are summarized in Table 1. All visible particles completely within the field of view and with

clearly discernible edges were manually sized using the "Ellipse" selection tool. No image filters were utilized in the analysis procedure. For each particle, ImageJ is utilized to measure the major and minor axes of the elliptical particles. Microsoft Excel was used for calculations of area-equivalent diameter and for the generation of the area-equivalent diameter distribution histograms. Area-equivalent diameter measurements are summarized in Table 2.

## Results

Representative images of the sized nanoparticles for sample AG0354 are given in Figures 1 through 6. The size distribution of the particles for sample AG0354 is shown in Figure 7. The calculated mean of the area-equivalent diameter of the 541 total sized nanoparticles for sample AG0354 is 10.9 nm with a standard deviation of 5.8 nm.

Representative images of the sized nanoparticles for sample AG0356 are given in Figures 8 through 13. The size distribution of the particles for sample AG0356 is shown in Figure 14. The calculated mean of the area-equivalent diameter of the 581 total sized nanoparticles for sample AG0356 is 6.5 nm with a standard deviation of 4.4 nm.

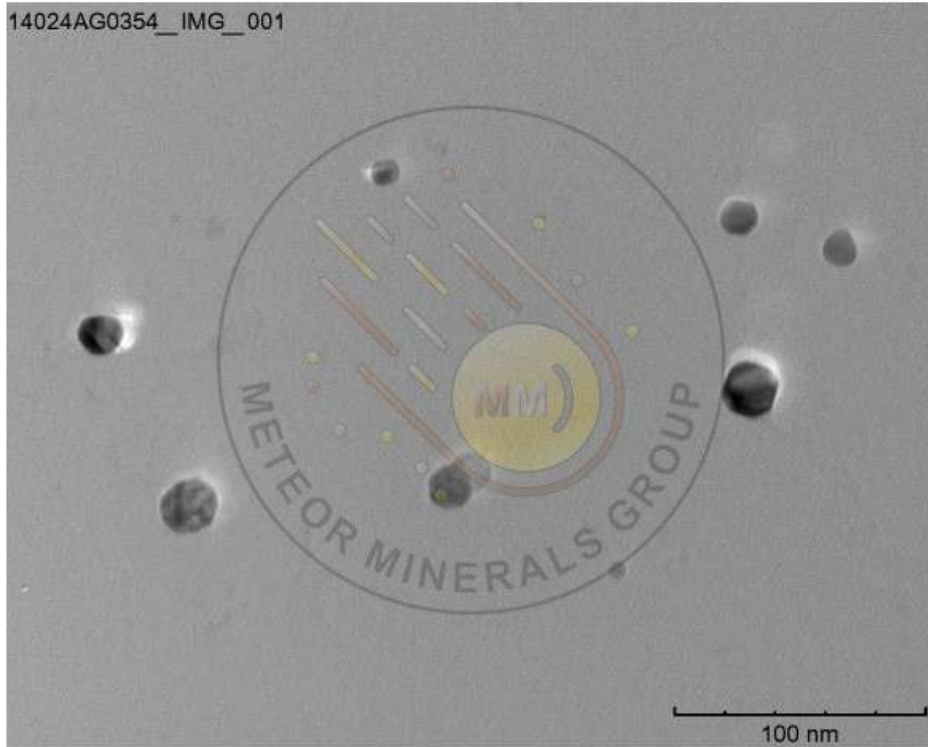
**Table 1. Imaging Parameters**

Sample Description	Imaging Magnification	Pixel Resolution (nm/px)	Image Size (pixels)
14024AG0354	60 000 X	0.29	1024 x 1280
14024AG0356	60 000 X	0.29	1024 x 1280

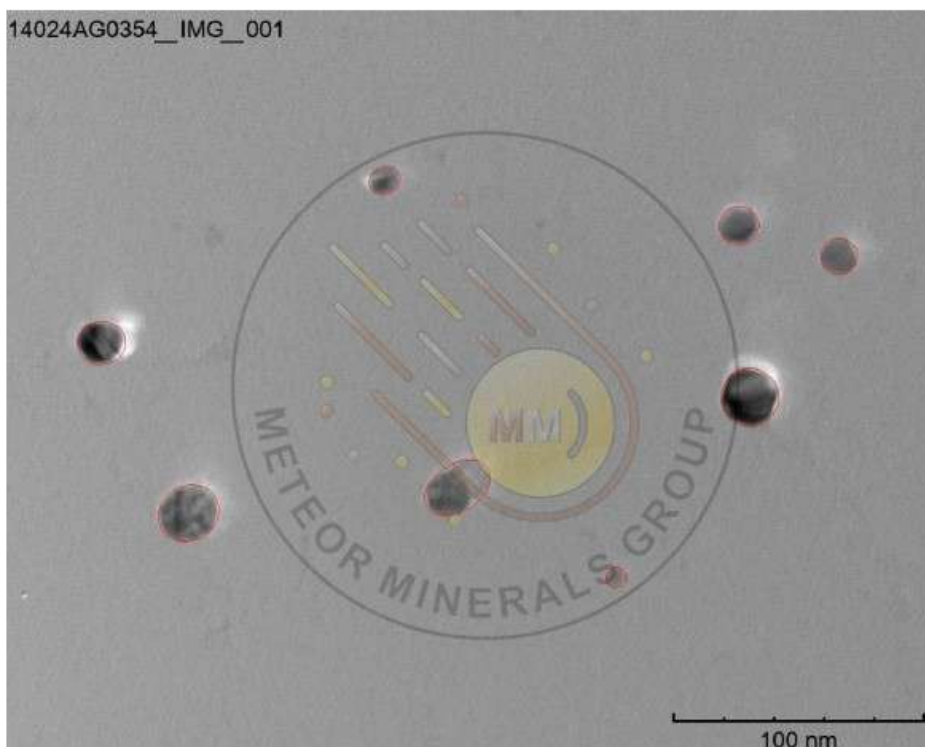
**Table 2. Area-Equivalent Diameter Measurements: Mean and Median (d50)**

Sample Description	No. of Particles Measured	Mean (nm)	Mean Std. Dev. (nm)	Median (nm)
14024AG0354	541	10.9	5.8	9.0
14024AG0356	581	6.5	4.4	5.1





**Figure 1.** Representative TEM image of MVA sample AG0354.



**Figure 2.** Image of particles measured in TEM image shown in Figure 1 above, MVA sample AG0354.

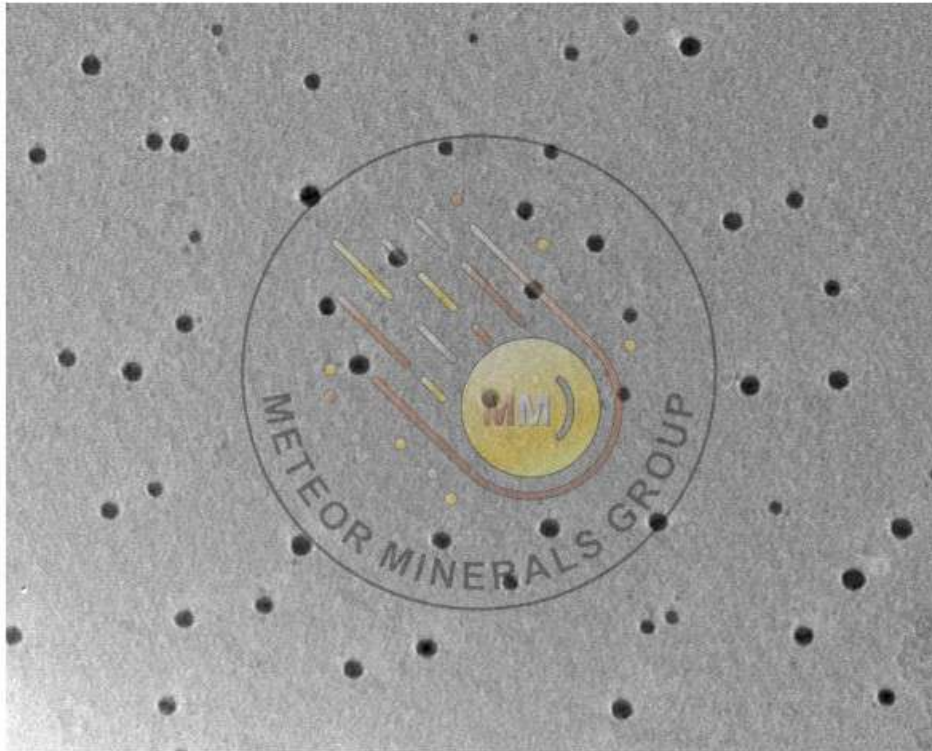


Figure 3. Representative TEM image of MVA sample AG0354.

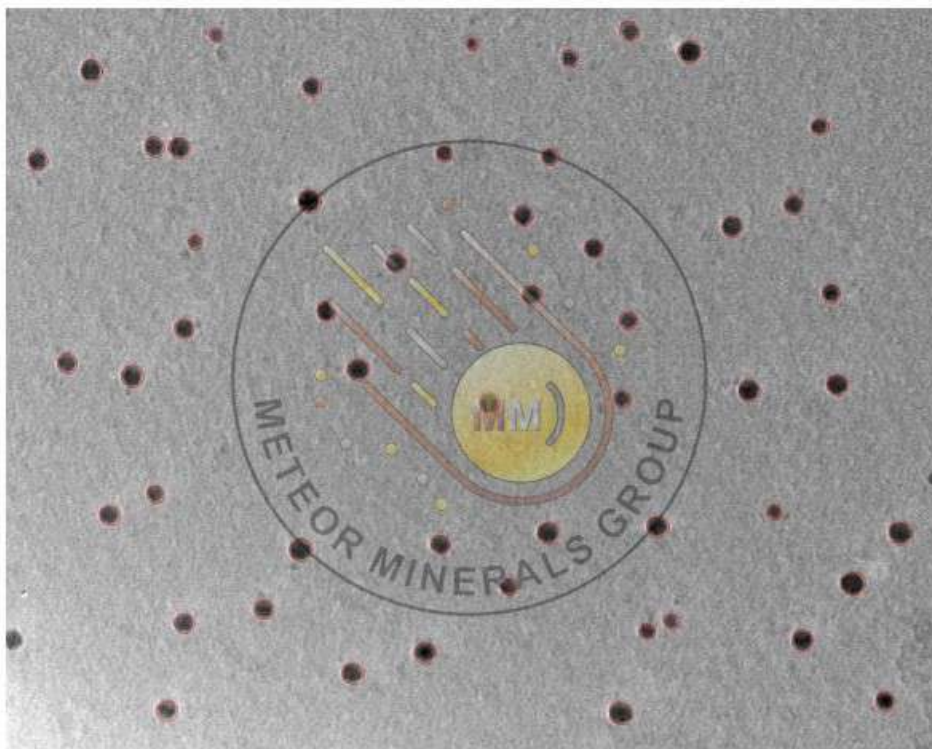
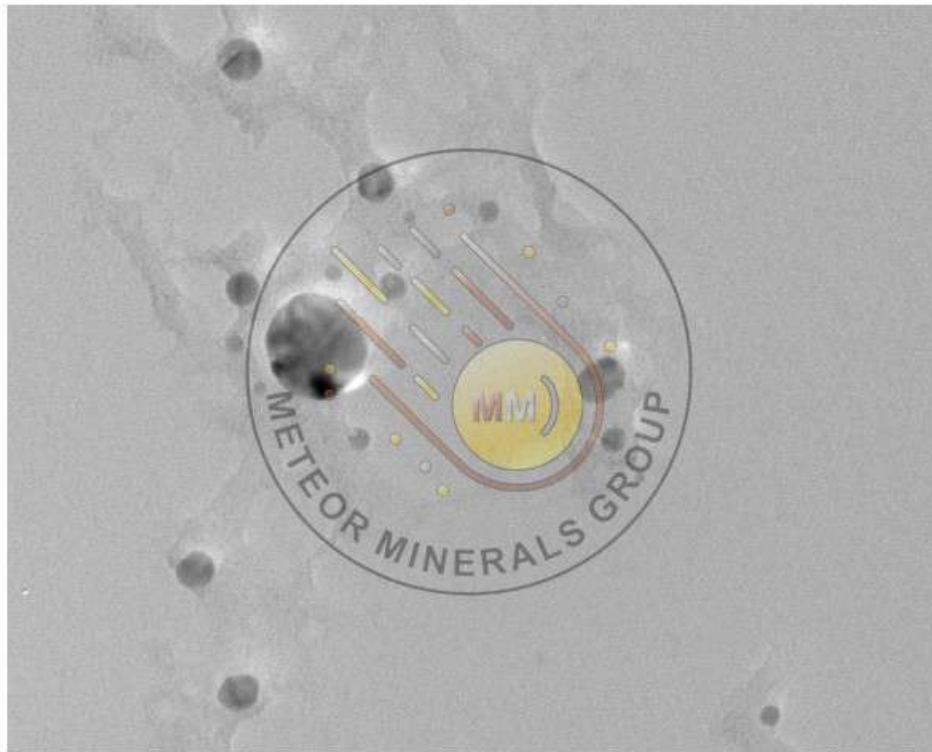
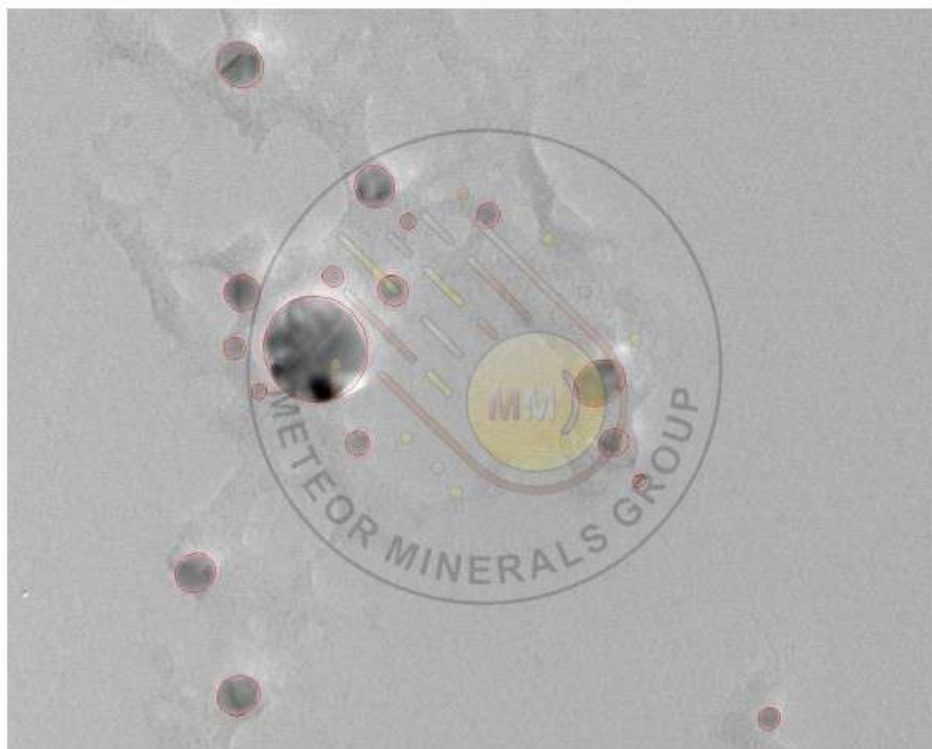


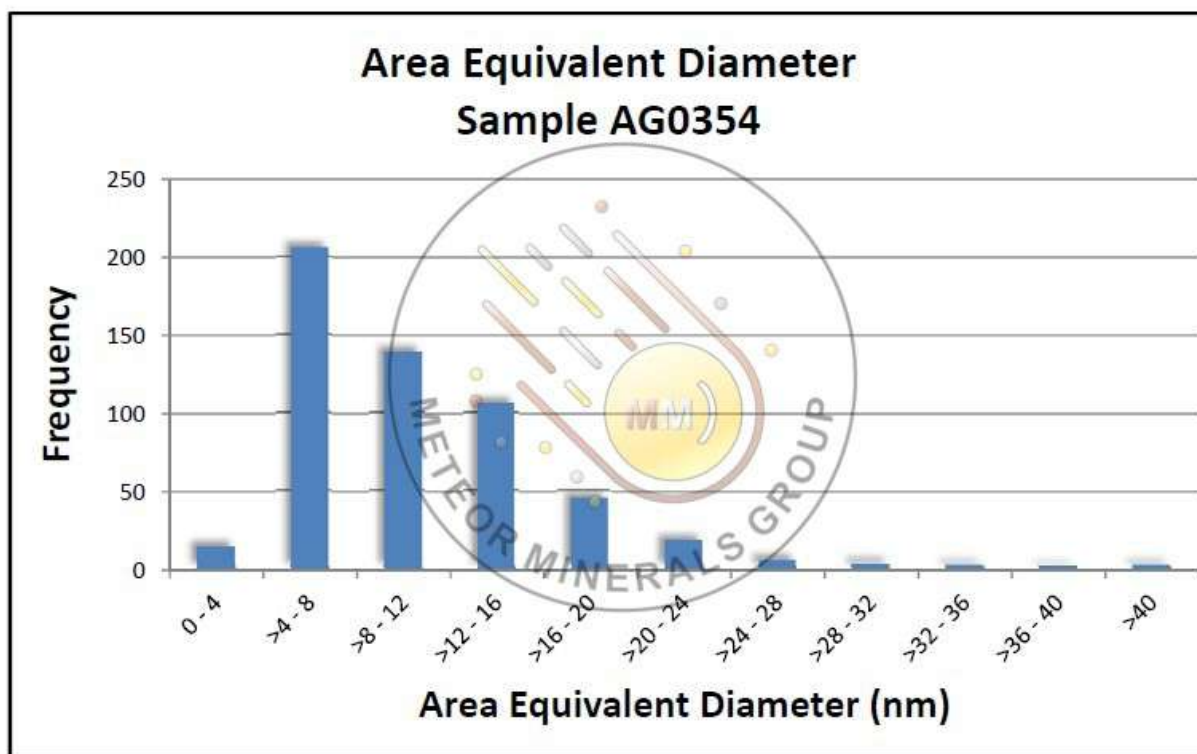
Figure 4. Image of particles measured in TEM image shown in Figure 3 above, MVA sample AG0354.



**Figure 5.** Representative TEM image of MVA sample AG0354.



**Figure 6.** Image of particles measured in TEM image shown in Figure 5 above, MVA sample AG0354.



**Figure 7.** Histogram showing the area-equivalent diameter distribution of MVA sample AG0354.

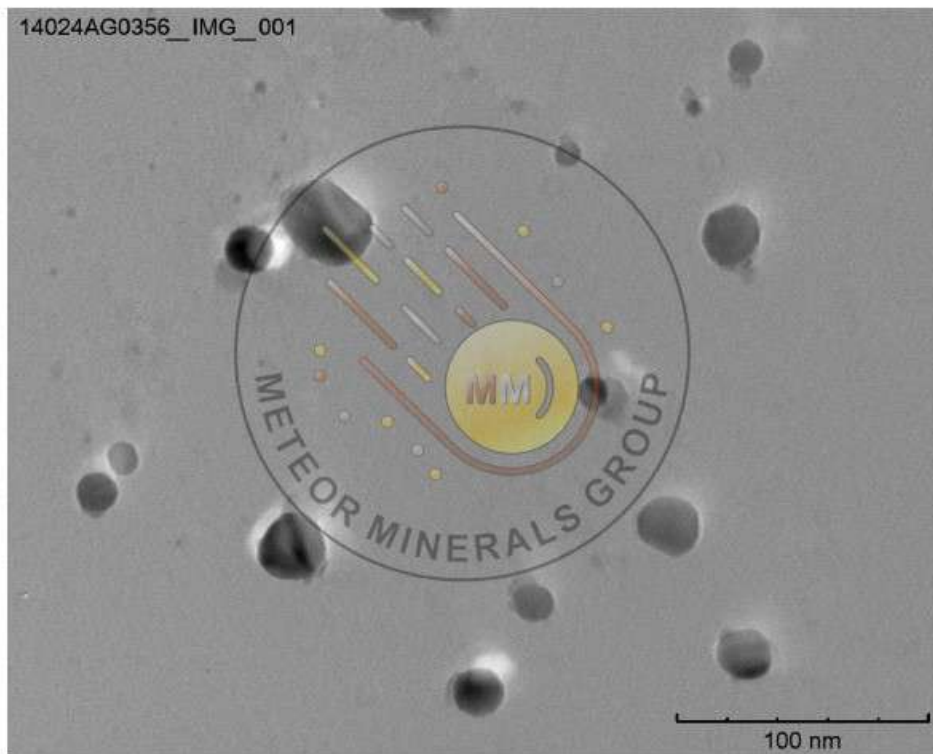


Figure 8. Representative TEM image of MVA sample AG0356.

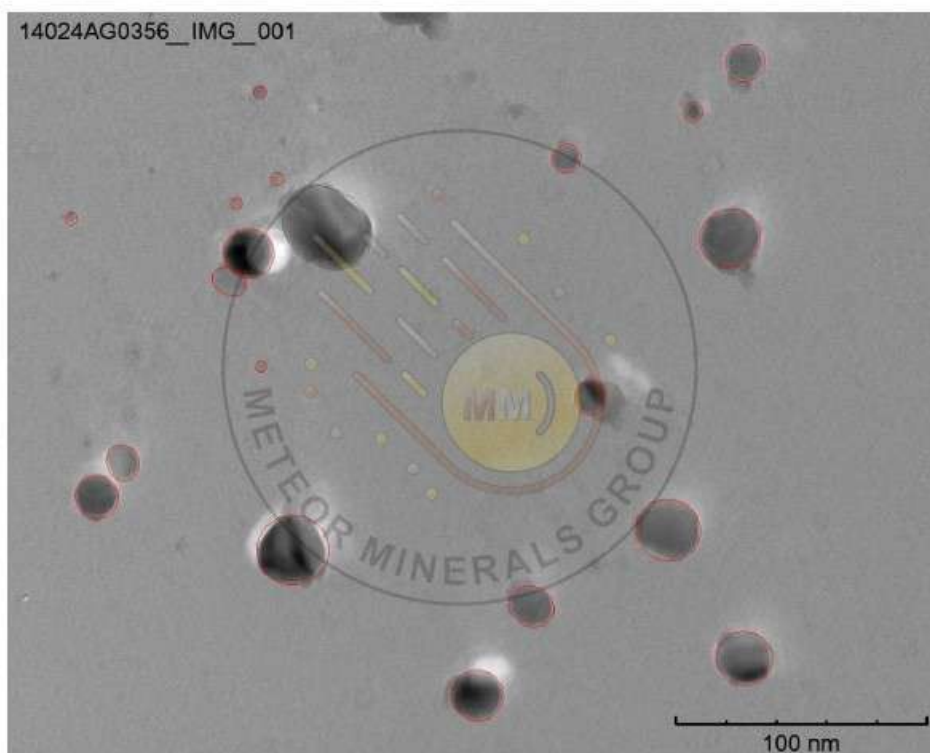
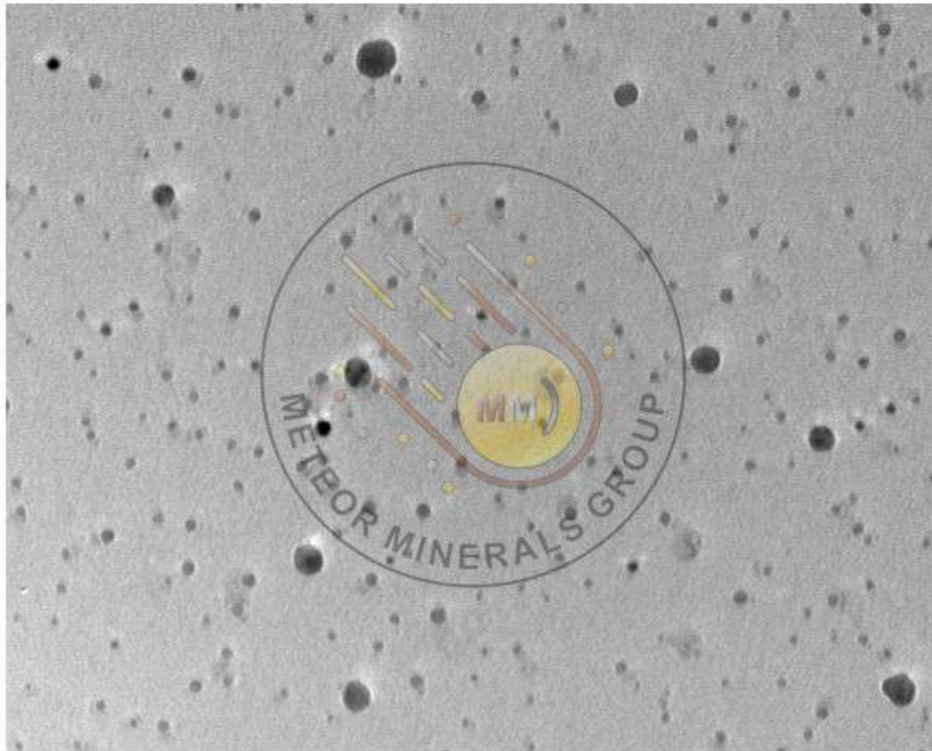
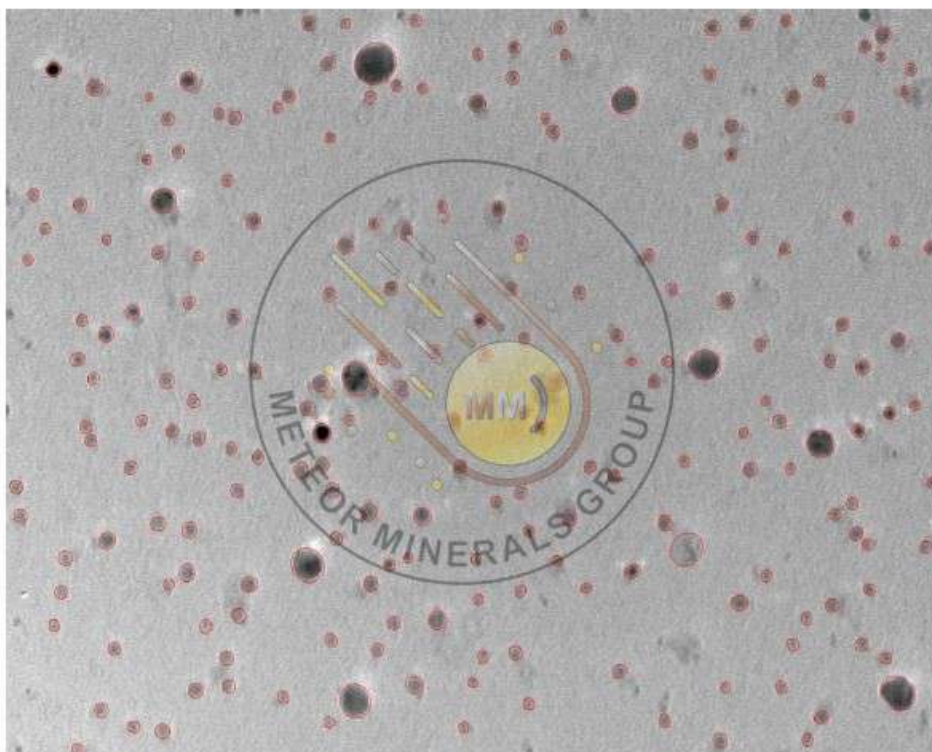


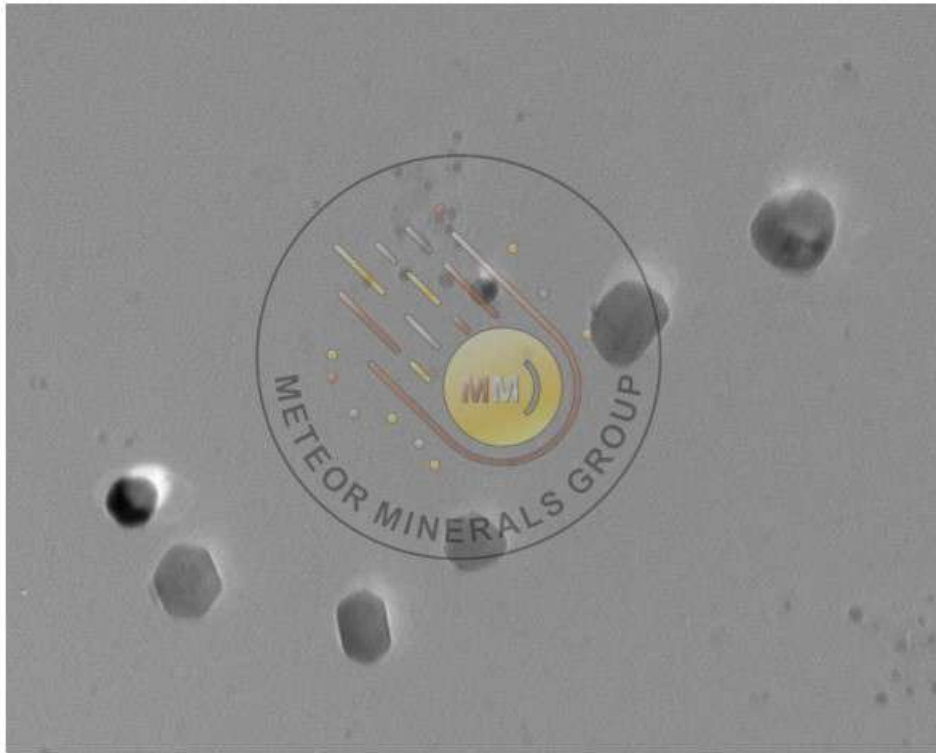
Figure 9. Image of particles measured in TEM image shown in Figure 8 above, MVA sample AG0356.



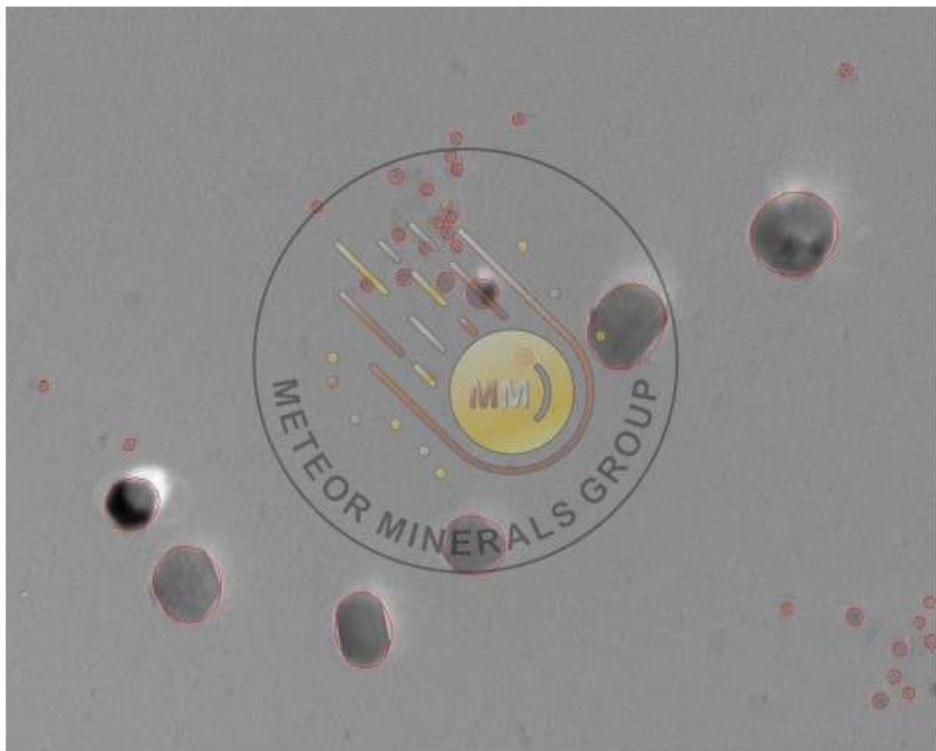
**Figure 10.** Representative TEM image of MVA sample AG0356.



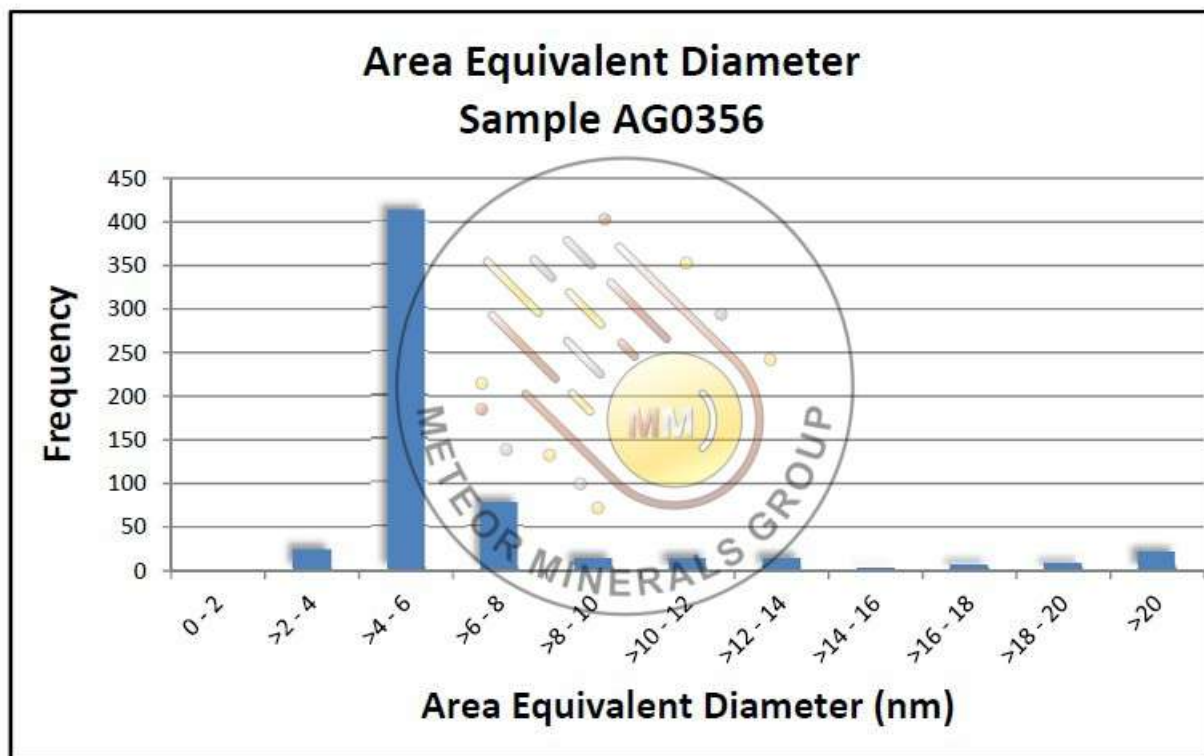
**Figure 11.** Image of particles measured in TEM image shown in Figure 10 above, MVA sample AG0356.



**Figure 12.** Representative TEM image of MVA sample AG0356.



**Figure 13.** Image of particles measured in TEM image shown in Figure 12 above, MVA sample AG0356.



**Figure 14.** Histogram showing the area-equivalent diameter distribution of MVA sample AG0356.



# CHAIN OF CUSTODY

Project No. or Identification \_\_\_\_\_

Client Sample ID	MVA ID*	Comments / Analytical Requests
(2)-bottles of copper nano particles in solid/liquid medical grade Vaseline		Sizing of Copper Nano particles transmission electron microscopy (TEM).  NOTE:this new Text (2) bottle of cooper we are. Requesting to be don't exactly the same Report: 18 December 2020 Report of Results: MVA13892 (Only we need to add: Batch of production 200 Kg Ultra High broken into each Bottle Stanley Steel copper color capacity of 1/2 Kg each bottle

Corporation Meteor Minerals SPA Rep. Chile Certificate: 123456860756 Meteor Minerals LLC Identification Number: 85-3392829 PO Box 12170 Jackson, Wyoming 83002 ConstruMaxi LTD. RUT: 76.233.572-7 San Pio x 2460 of. 706 Providencia Santiago de Chile Chile 	Relinquished by (sign):
	Via:
	Date: Printed Name:
	Company:

Received by (sign):	Received by (sign):
Date: Printed Name:	Date: Printed Name:
Company:	Company:

3300 Breckinridge Blvd  
Suite 400  
Duluth, GA 30096

770.662.8509  
FAX 770.662.8532  
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**Nanomaterials Testing Services**

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Dispersion and Homogeneity  
Analysis

Nanomaterials Characterization

Analysis of Consumer Products

Identification of Nanomaterials

Contaminant Analysis

Competitive Analysis

Crystalline Phase Determination

Workplace Exposure Monitoring

**Techniques**

Light Microscopy

Scanning Electron  
Microscopy

Transmission Electron  
Microscopy

Fourier Transform  
Infrared Spectroscopy

Confocal Raman Microscopy

White Light Interference  
Microscopy

Energy Dispersive X-ray  
Spectrometry

Fluorescence Microscopy

Ion Milling & Ultramicrotomy

**Accreditations**

cGMP Compliant

ISO/IEC 17025

FDA Registered

DEA Licensed

**Report of Results: MVA14024**

**Sizing of Copper Nanoparticles**

**Prepared for:**

**Corporation Meteor Minerals SPA  
Rep. Chile Certificate: 123456860756  
Meteor Minerals LLC  
Identification Number: 85-3392829  
PO Box 12170 Jackson, Wyoming 83002  
ConstruMaxi LTD. RUT: 76.233.572-7  
San Pio x 2460 of. 706  
Providencia. Santiago de Chile  
Chile**

**Respectfully Submitted by:**



**EXECUTED BY  
ELECTRONIC  
SIGNATURE**

**Jacob M. Spry  
Research Scientist**



**EXECUTED BY  
ELECTRONIC  
SIGNATURE**

**Steven P. Compton, Ph.D.  
Executive Director**

**12 April 2022**

## Report of Results: MVA14024

### Sizing of Copper Nanoparticles

#### Introduction

On 03 March 2021 we received four bottles of copper nanoparticles in solid/liquid medical grade Vaseline via UPS for particle sizing by transmission electron microscopy (TEM). Upon receipt each bottle was assigned the unique MVA sample identification numbers shown in the table below. According to the client, all bottles are sourced from the same batch of 200 kg material, split and labeled with barcode number 7-804672-630007. Particles were characterized from bottles AG0354 and AG0356, and a report of the results was issued on 24 March 2021. It was requested that we examine one sample using the same methodology in order to investigate any potential changes to the material after one year of storage. Bottle AG0354 was randomly chosen for examination. Since the last analysis, the samples have remained onsite in the MVA laboratory. The analysis was performed in our laboratory during the period 28 March through 12 April 2022.

MVA Sample No.	Client ID
14024AG0354	NANO COPPER PARTICLE SAMPLE 7-804672-630007
14024AG0355	NANO COPPER PARTICLE SAMPLE 7-804672-630007
14024AG0356	NANO COPPER PARTICLE SAMPLE 7-804672-630007
14024AG0357	NANO COPPER PARTICLE SAMPLE 7-804672-630007

#### Methods

The sample was prepared by vigorously inverting the bottle by hand, diluting a subsample from the bottle in a 1 dram glass vial with ethanol, and homogenizing the diluted subsample by ultrasonication in an ultrasonic bath for 15 minutes. The diluted subsample was deposited onto carbon-backed copper grids via micropipette. Photomicrographs of the copper nanoparticles were acquired on a Philips CM200 transmission electron microscope operating at an accelerating voltage of 180kV. After checking for eucentricity and focus, brightness and contrast were adjusted through microscope parameters prior to image capture. Images were captured using an AMT 1024x1280 pixel CCD camera. Images were acquired at two magnifications; at each magnification, a single image from the sized nanoparticles was annotated with a scale bar for reference and calibration for manual sizing; all other sized images were unaltered prior to the measurement of particle sizes. Scale bars generated are annually calibrated with a traceable Mag\*I\*Cal nanometer scale with the most recent calibration performed on 14 May 2021.

The particle size distribution was measured in accordance with MVA SOP 318, "Manual Feature Sizing in Digital Images Using ImageJ" from digital images of the particles obtained using the Philips CM200 transmission electron microscope. Imaging parameters are summarized in Table 1. All visible particles completely within the field of view and with clearly discernible edges were manually sized using the "Ellipse" selection tool. No image filters were utilized in the analysis procedure. For each particle, ImageJ is utilized to measure the major and minor axes of the elliptical particles. Microsoft Excel was used for calculations of area-equivalent diameter and for the generation of the area-equivalent diameter distribution histogram. Area-equivalent diameter measurements are summarized in Table 2.

## Results

Representative images of the sized nanoparticles are given in Figures 1 through 8. The size distribution of the particles is shown in Figure 9. The calculated mean of the area-equivalent diameter of the 517 total sized nanoparticles for sample AG0354 is 25.3 nm with a standard deviation of 14.3 nm.

**Table 1. Imaging Parameters**

<b>Imaging Magnification</b>	<b>Pixel Resolution (nm/px)</b>	<b>Image Size (pixels)</b>	<b>Images Sized</b>
40 000 X	0.40	1024 x 1280	19
60 000 X	0.29	1024 x 1280	25

**Table 2. Area-Equivalent Diameter Measurements: Mean and Median (d50)**

<b>Sample Description</b>	<b>No. of Particles Measured</b>	<b>Mean (nm)</b>	<b>Mean Std. Dev. (nm)</b>	<b>Median (nm)</b>
14024AG0354	517	25.3	14.3	21.4

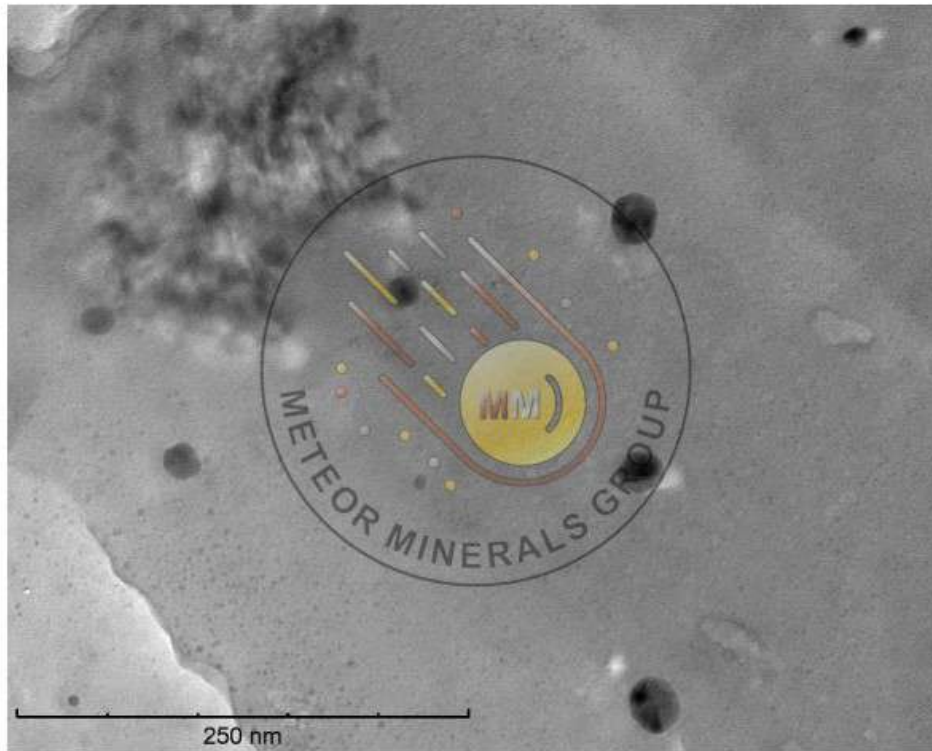


Figure 1. Representative TEM image acquired at 40,000X magnification.

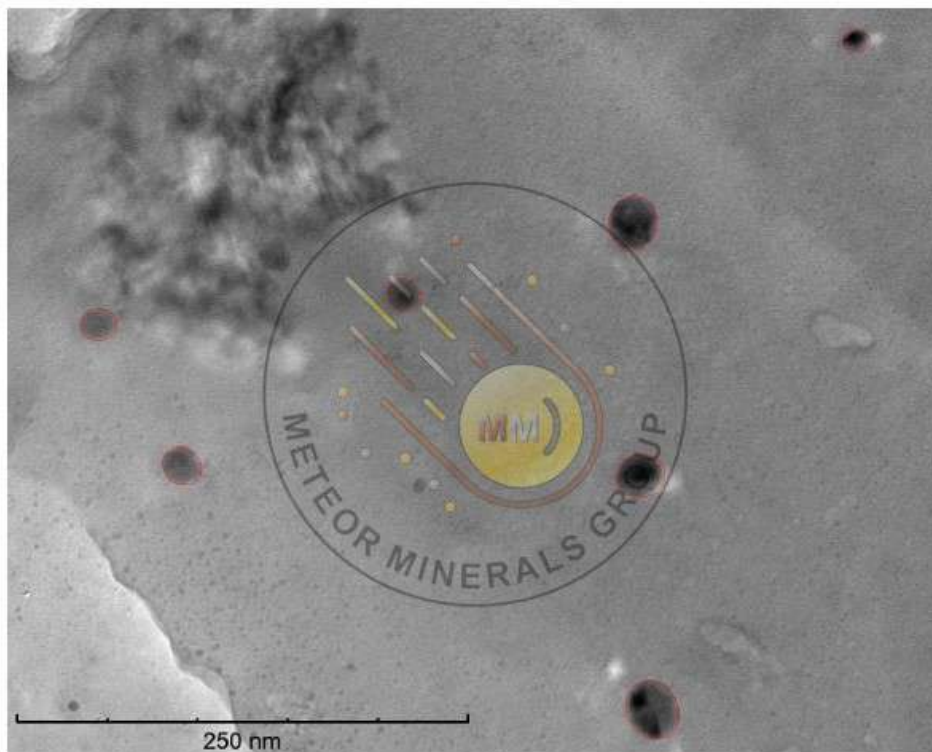
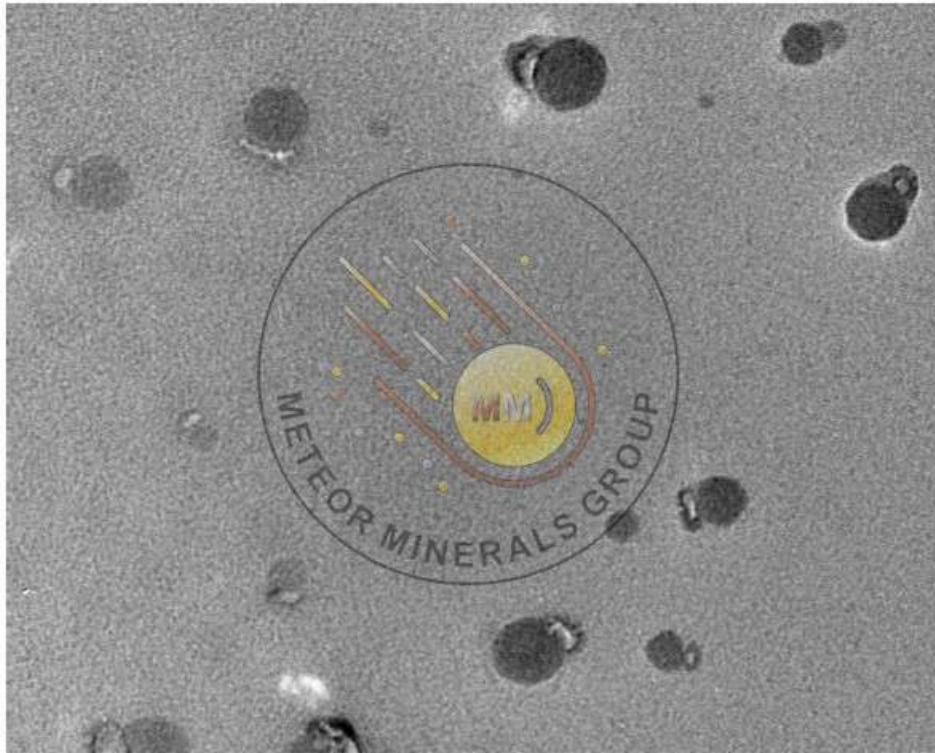
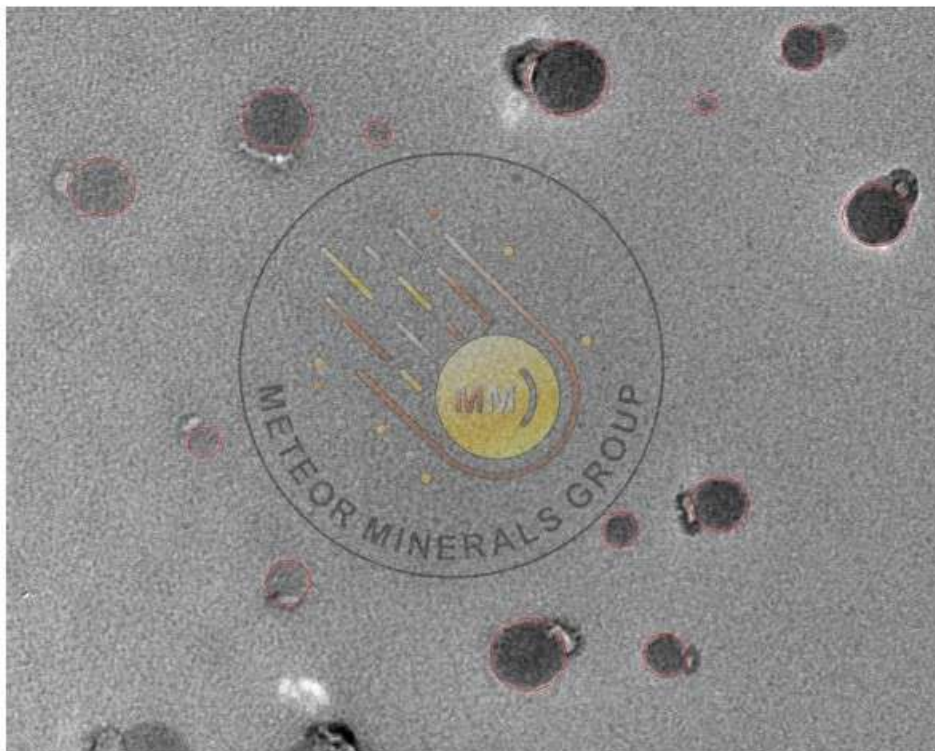


Figure 2. Image of particles measured in TEM image shown in Figure 1 above.



**Figure 3.** Representative TEM image acquired at 40,000X magnification.



**Figure 4.** Image of particles measured in TEM image shown in Figure 3 above.

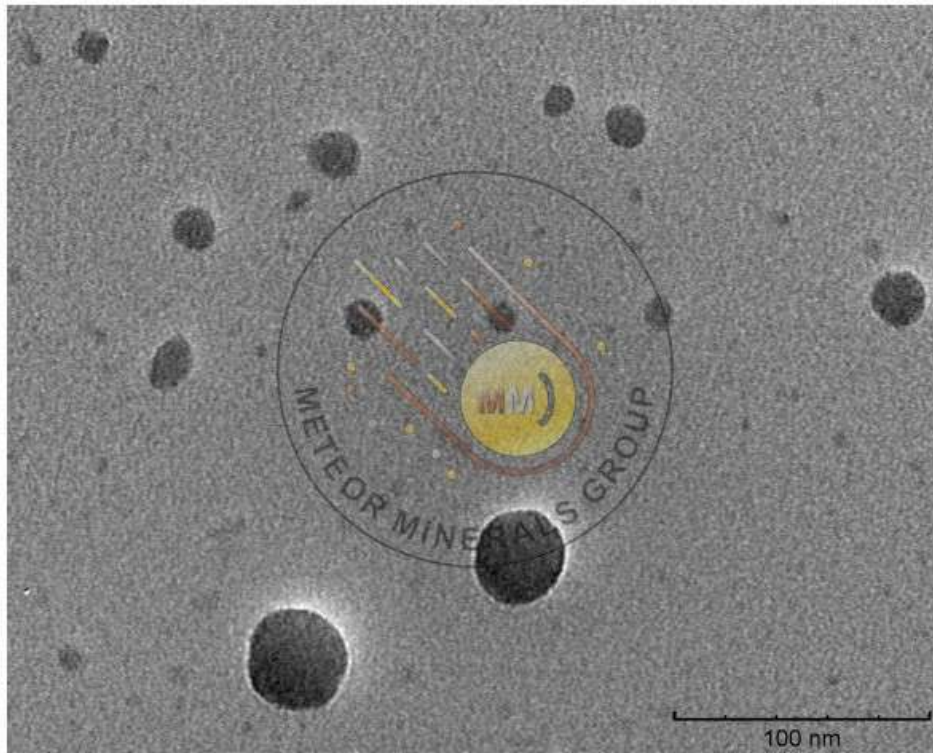


Figure 5. Representative TEM image acquired at 60,000X magnification.

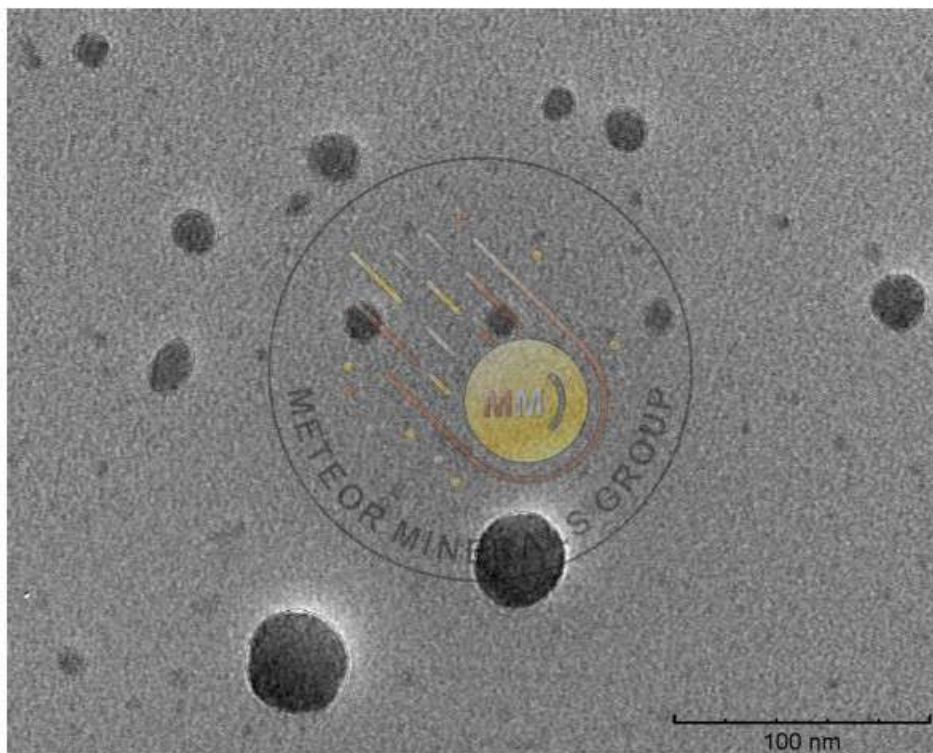
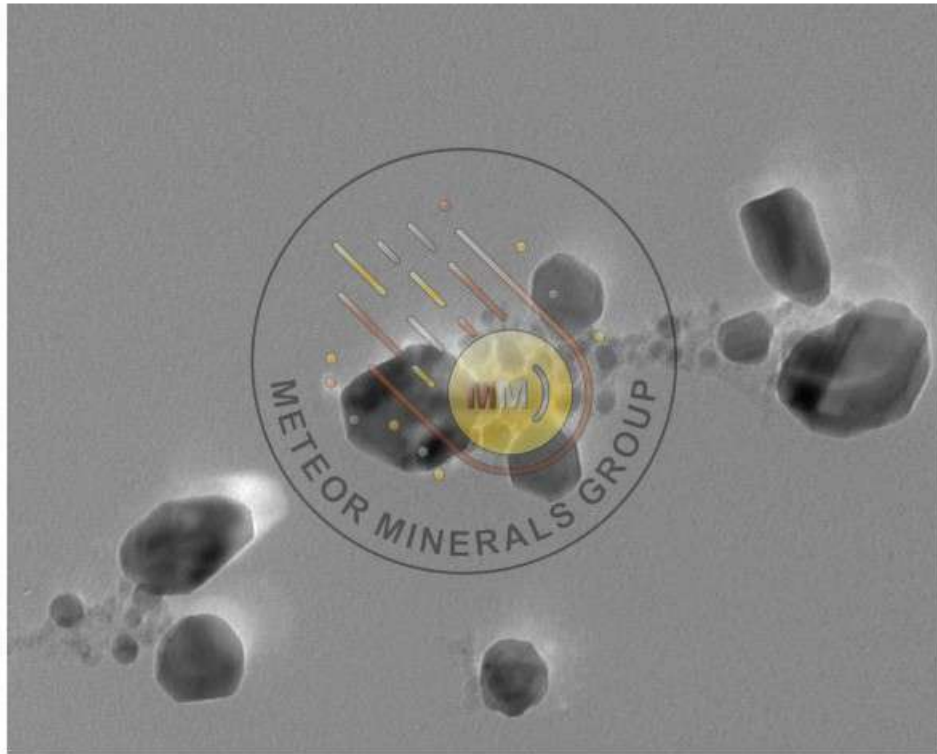
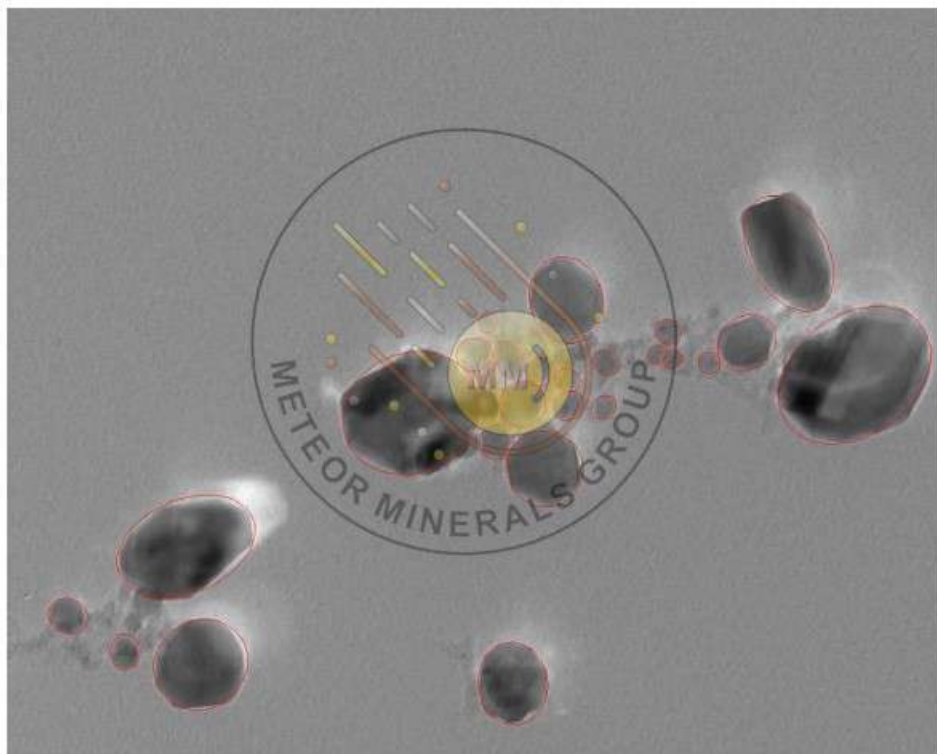


Figure 6. Image of particles measured in TEM image shown in Figure 5 above.

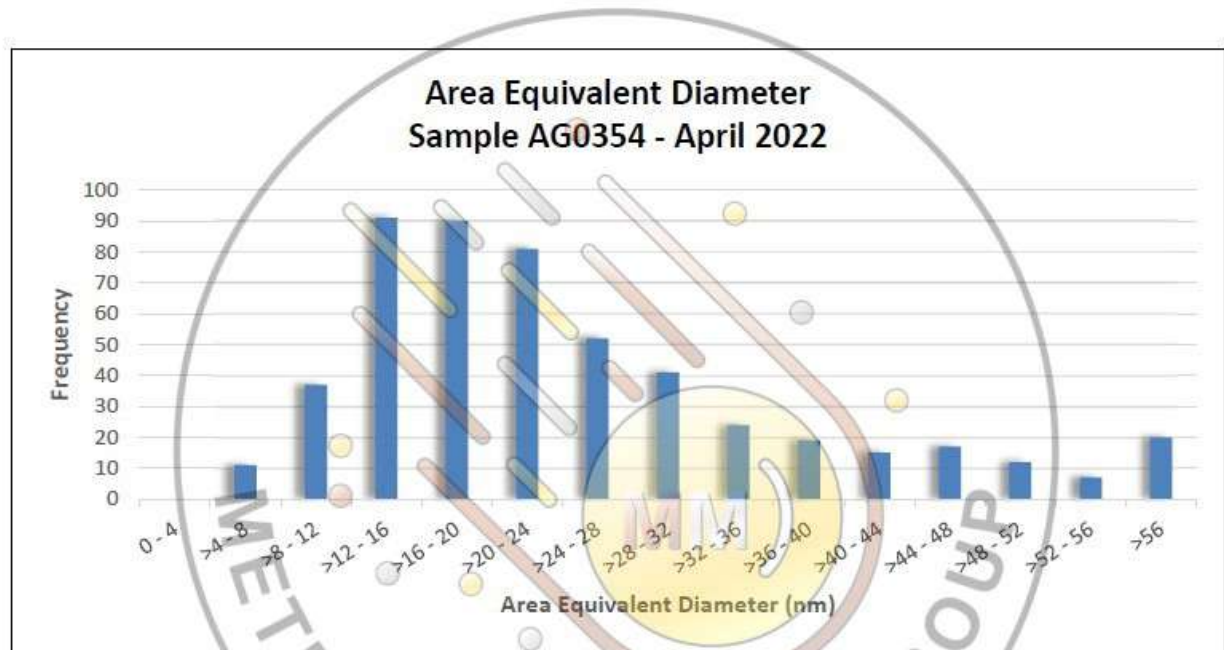




**Figure 7.** Representative TEM image acquired at 60,000X magnification.



**Figure 8.** Image of particles measured in TEM image shown in Figure 7 above.



**Figure 9.** Histogram showing the April 2022 area-equivalent diameter distribution of MVA sample AG0354.



# CHAIN OF CUSTODY

Project No. or Identification \_\_\_\_\_

Client Sample ID	MVA ID*	Comments / Analytical Requests
(2)-bottles of copper nano particles in solid/liquid medical grade Vaseline		Sizing of Copper Nano particles transmission electron microscopy (TEM).
		NOTE: this new Text (2) bottle of cooper we are.
		Requesting to be don't exactly the same Report:
		18 December 2020
		Report of Results: MVA13892
		(Only we need to add:
		Batch of production
		200 Kg Ultra High broken into each Bottle
		Stanley Steel copper color capacity of 1/2 Kg each bottle

Corporation Meteor Minerals SPA Rep. Chile Certificate: 123456860756 Meteor Minerals LLC Identification Number: 85-3392829 PO Box 12170 Jackson, Wyoming 83002 ConstruMaxi LTD. RUT: 76.233.572-7 San Plo x 2460 of. 706 Providencia Santiago de Chile Chile 	Relinquished by (sign):
	Via:
	Date: Printed Name:
	Company:

Received by (sign):	Received by (sign):
Date: Printed Name:	Date: Printed Name:
Company:	Company:



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MVA SCIENTIFIC CONSULTANTS, INC.  
3300 Breckinridge Blvd., Suite 400  
Duluth, GA 30096  
Jake Spry Phone: 770 662 8509  
jspry@mva-inc.com

CHEMICAL

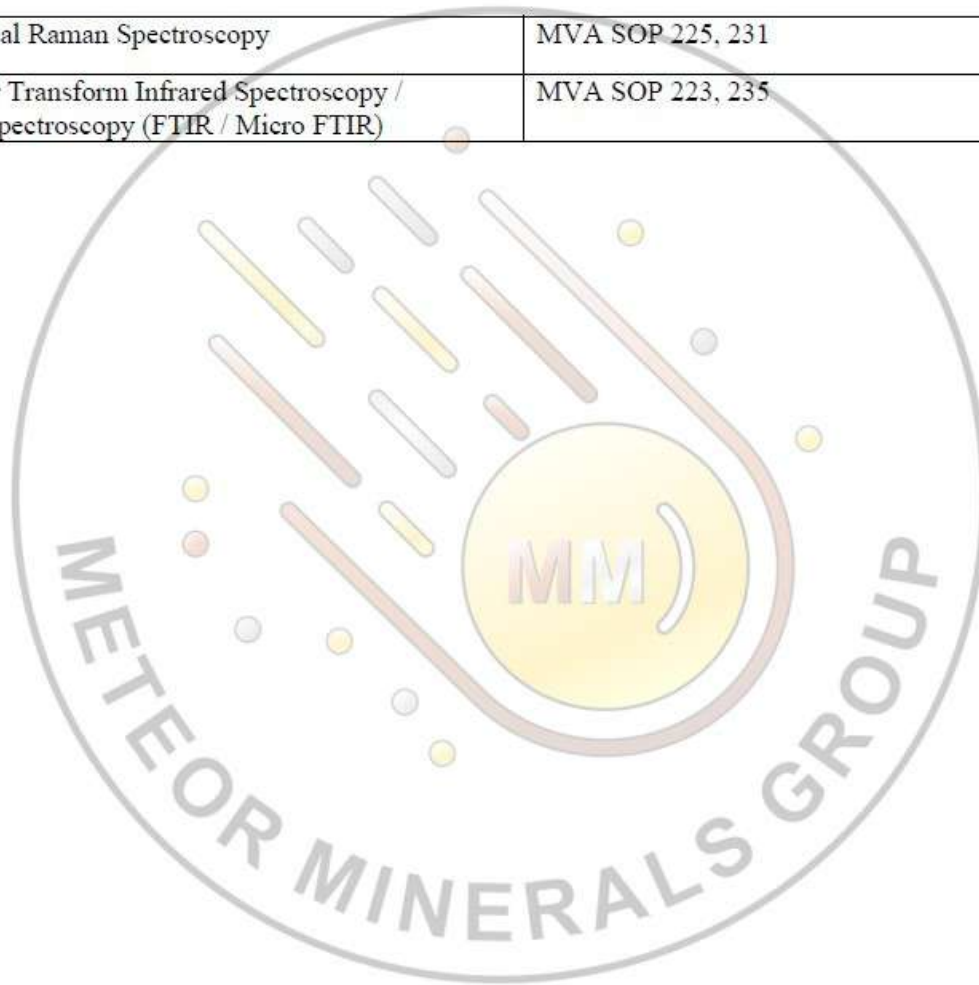
Valid To: August 31, 2023

Certificate Number: 2096.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform materials analyses, characterizations, and failure investigation on building materials, particles, fibers, pharmaceuticals, coatings, chemicals, medical devices, adhesives, ceramics and related products, paints and pigments, polymer additives, lubricants, solvents, plastics, polymers and resins, rubbers and elastomers, textiles, paper and pulp products, electronic devices, glass, food products, cosmetic products, detergents and soaps, metals and other metal related products, soil, sand and clay, ores and minerals, asbestos, environmental samples, emission samples, dust, air samples, composite materials, packaging materials, machinery parts, automotive components, aerospace components, and fasteners using national and international recognized standard methods and internally developed methods for the test technologies listed below:

<u>Test Technology</u>	<u>Test Method(s)</u>
<i>Asbestos Analysis</i>	
Phase Contrast Microscopy (PCM)	NIOSH 7400
Polarized Light Microscopy (PLM)	EPA 600/R-93/116
Transmission Electron Microscopy (TEM)	ASTM D5755; EPA 600/R-93/116; EPA 600/4-83-043; NIOSH 7402
<i>Electron Microscopy</i>	
Energy Dispersive X-ray Spectroscopy (EDS)	MVA SOP 222, 224, 226, 232, 316 <sup>1</sup> , 322
Scanning Electron Microscopy (SEM)	MVA SOP 203, 226, 227, 316 <sup>1</sup> , 318 <sup>1</sup> , 322; EPA Method 5 <sup>1</sup>
Selected Area Electron Diffraction (SAED)	MVA SOP 222, 224
Transmission Electron Microscopy (TEM)	MVA SOP 222, 224, 232; ASTM D5755; EPA 600/R-93/116; EPA 600/4-83-043; NIOSH 7402
<i>Light Microscopy</i>	
Brightfield / Darkfield Microscopy	MVA SOP 220
Differential Interference Contrast Microscopy (DIC)	MVA SOP 234
Interference Microscopy (SWLIM)	MVA SOP 228
Phase Contrast Microscopy (PCM)	MVA SOP 214; NIOSH 7400
Polarized Light Microscopy (PLM)	MVA SOP 207, 208, 212; EPA 600/R-93/116

<u>Test Technology</u>	<u>Test Method(s)</u>
<i>Miscellaneous Analyses</i>	
Dimensional Analysis	MVA SOP 203, 226, 227, 316, 318, 322
Particle Size Analysis	MVA SOP 316, 318, 322; EPA Method 5 <sup>1</sup>
<i>Spectroscopy</i>	
Confocal Raman Spectroscopy	MVA SOP 225, 231
Fourier Transform Infrared Spectroscopy / Microspectroscopy (FTIR / Micro FTIR)	MVA SOP 223, 235



<sup>1</sup> Analysis of particulate samples collected using EPA Method 5; sample collection is not included in the scope.



## Accredited Laboratory

A2LA has accredited

### **MVA SCIENTIFIC CONSULTANTS INC.**

Duluth, GA

for technical competence in the field of

### Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 25<sup>th</sup> day of June 2021.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2096.01  
Valid to August 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.



# CUPRUM COIN

The Nano Commodity of the Future

**Certificate of purity**



**Alex Stewart  
International**

**Certified for Quantity and Quality**

**Analysis • Sampling • Inspections**



International  
Organization for  
Standardization

THIS LABORATORY TEST CONFIRMS THE PURITY AND NATIONAL  
INSPECTION TO ENSURE PRODUCTION PROCEDURES  
STANDARD IN CHILE

**Laboratory Stewart-Blaitt / RUT: 78.193.080-6  
/, Santiago de Chile**

Phone: 56(2)224100415 / 56 (2) 224100420 /

Page WEB: [www.laboriostewart-blaitt.cl](http://www.laboriostewart-blaitt.cl)

E-mail: [lab@alexstewart.cl](mailto:lab@alexstewart.cl)

**REPORT OF RESULTS N° 20060379-1**  
(Replaces the previous one N°20060379)



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**Analysis • Sampling • Inspections**

LAB TEST-(#1)- RESULT PRODUCTION BATCH OF -120Kg  
PRUEBA DE LABORATORIO-(#1)- RESULTADO DEL LOTE DE  
PRODUCCIÓN -DE -120Kg





APOSTILLE (Convention de La Haye du 5 octobre 1961)			
1. País country/cays	CHILE		
El presente documento público / This public document / Le présent acte public			
2. Ha sido firmado por has been signed by / a été signé par	RODRIGO CABRERA ALBARRAN		
3. Quien actúa en calidad de acting in the capacity of / agissant en qualité de	NOTARIO PUBLICO Y CONSERVADOR DE MINAS		
4. Revestido del sello - timbre bears the seal - stamp of / est revêtu du sceau - timbre de	NOTARIA Y CONSERVADOR DE MINAS RODRIGO CABRERA ALBARRAN		
Certificado / Certified / Attesté			
5. En at / a	Santiago	6. El día the / le	20-11-2020
7. Por by / par	KAREN FERNANDA ARMIJO NILO		
8. Bajo el número N° / sous N°	EAC1243778		
9. Sello - Timbre seal - stamp / sceau - timbre	10. Firma signature		

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Número Apostilla [ EAC1243778 ]  
Fecha Emisión [ 20-11-2020 ]





C.O.R ING. EN GESTION Y CONTROL CALIDAD

C.O.R ING. MANAGEMENT AND QUALITY CONTROL

INFORME DE RESULTADO N° 00099  
 CODIGO SG-CC- INSPECCION VISITA 13/06/20.  
 RESULT REPORT No. 00099 CODE SG-CC- INSPECTION VISIT 13/06/20

I.-INFORMACION GENERAL /GENERAL INFORMATION

CLIENTE CLIENT	CONSTRUCCION, INGENIERIA Y SUMINISTROS CONSTRUMAXI LTDA.// CORPORATION METEOR MINERALS SPA San Pio X N°3460, OF-706, Providencia - Santiago
CONTACTO CONTACT	Mr. Fernando Morgan <a href="mailto:fmhchile@gmail.com">fmhchile@gmail.com</a> +569 66551415 Mr. Mario Lazo <a href="mailto:mario.lazo@">mario.lazo@</a> +5699784

2.- RECEPCION DE INFORME/ 2.-  
Report acknowledgment

REPORT CORRESPONDIENTE N°20060379-1 LAB. STEWART - BLAITT Y CIA LTDA CORRESPONDING REPORT NO. 20060379-1 LAB. STEWART - BLAITT AND CIA LTDA	SE ESTABLECE QUE LA MUESTRA DE 150 GRs. DE NANOPARTICULAS DE COBRE POR BOTELLA SE ESTABLECE QUE ESTAN CORRECTO CUMPLIENDO CON LOS STANDARES.  IT IS ESTABLISHED THAT THE SAMPLE OF COPPER NANOPARTICLES 150 G. PER BOTTLE THERE ARE CORRECT AND THERE COMPLAIN WE THE STANDARDS
LABORATORIO DE PROCESO AURIS MINING PAM SEDE UNIVERSIDAD BOLIVARIANA OVALLE  LAB PROCESS AURIS MINING PAM HEADQUARTERS UNIVERSITY BOLIVARIAN CITY OF OVALLE	SE ESTABLECE QUE EN VISITA TECNICA A DICHO UNIVERSIDAD. ADICIONALMENTE SE ESTABLECE QUE REALIZA ANALISES PARA ENAMI SEDE OVALLE.  EN PROCESO DE GSI CHILE INTERNACIONAL. IT IS ESTABLISHED THAT ON A TECHNICAL VISIT TO THIS LABORATORY MEETS THE QUALITY STANDARS REQUESTED WITH THE SUPPORT OF THE UNIVERSITY IN ADDITION, THAT IT PERFORMS ANALISES FOR ENAMI HEADQUARTERS OVALLE.  IN THE PROCFS OF GSI CHILE INTERNACIONAL. MIMINERA



**REPORT OF RESULTS N° 20060379-1**  
(Replaces the previous one N°20060379)

Página 1 de 2

**I.- GENERAL INFORMATION**

SCOPE CLIENT	Assays results CONSTRUCCION, INGENIERIA Y SUMINISTROS CONSTRUMAXI LTDA.// CORPORATION METEOR MINERALS SPA
ADDRESS CONTACT (Name / E-mail y/o Phone)	San Pio X N°2460, OF-706; Providencia - Santiago Mr. Fernando Morgan   +569 66551415 Mr. Mario L: +56997

**II.- DATA OF RECEPTION AND REPORT**

CLIENT REFERENCE IDENTIFICATION SAMPLES	Guide of Dispatch N°11 & N°12 30 plastic bottles especially suitable for high chemical resistance, bottle size (8pcs 250ml, 8.45) each one has (150 grams Nano copper particle each bottle) the sample came out of the 120 kg.
CONTRACT TYPE OF SAMPLE ASSAY REQUIRED DATE OF RECEPTION DATE OF REPORT SUBCONTRACT INN- ISO 17025 REGISTERS	N/A Described as Copper Nano Particle Copper Purity June 16 <sup>th</sup> , 2020 June 24 <sup>th</sup> , 2020 N/A N/A
REMARKS	<ul style="list-style-type: none"><li>- The samples provided by the client is identified and sealed. The results are applied to the samples how it was received.</li><li>- Origin copper ore ground into powder</li><li>- The Cu value corresponds to the difference to 100% of the impurities analyzed,</li><li>- All samples come with barcode automation (GSI CHILE INTERNATIONAL) GTIN.7804672630007</li></ul>

**III.- SERVICE TO THE CLIENT**

STORAGE OF SAMPLES:	6 Months
SAMPLE ELIMINATION:	Elimination by means of specialized services of administration of residuals.
PLACE OF EXECUTION OF THE TEST	Laboratory Stewart-Blaitt // Av. Quilin N°2910
REMARKS	Results valid only for the samples provided by the client.

Fernando Blaitt P.  
GENERAL MANAGER



REPORT OF RESULTS N° 20060379-1  
(Replaces the previous one N°20060379)

Página 2 de 2

IV.- METHOD ASSAY

METHODS CODE	DESCRIPTIONS
SG-LSB-M166-00	Determination of Impurities in Cathodes of Cu

IV. RESULTS

PARAMETERS	Result of Assay Order of Reference N° 20060379 IDENTIFICATION SAMPLES	
	COMPOSITE (150 grs.)	COMPOSITE (500 grs.)
	Cu (%)	99,9982
Sb (g/ton)	<0,1	<0,1
Cd (g/ton)	<0,1	<0,1
Cr (g/ton)	<0,2	<0,2
Sn (g/ton)	<0,1	<0,1
Fe (g/ton)	<0,8	<0,8
Pb (g/ton)	<0,8	<0,8
Ni (g/ton)	<0,5	<0,5
As (g/ton)	<0,1	<0,1
Se (g/ton)	<0,1	<0,1
Te (g/ton)	<0,5	<0,5
Zn (g/ton)	<0,5	<0,5

Fernando Blaitt P.  
GENERAL MANAGER

CÓDE	SG-LSB-P07-03	Revision	6	Date Emision	04/05/2020
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Laboratory Stewart-Blaitt / RUT: 78.193.080-6 / Av. Quilin N°2910, Macul, Santiago de Chile

Phone: 56(2)224100415 / 56 (2) 224100420 / Page WEB: [www.laboratoriostewart-blaitt.cl](http://www.laboratoriostewart-blaitt.cl)

E-mail: [lab@alexstewart.cl](mailto:lab@alexstewart.cl)



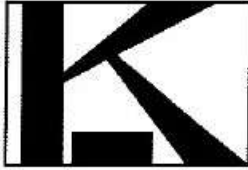
# CUPRUM COIN

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Standardization



# Kappa Laboratories, Inc.

2577 N.W. 74th Avenue · Miami, Florida 33122  
Phone (305) 599-0199 · Fax (305) 592-1224  
Office e-mail: kappalabs2@cs.com

www.kappalabs.com

## LABORATORY REPORT

**CLIENT:** Corporation Meteor Minerals SPA **DATE REPORTED:** 03/02/2023  
**RUT:** 77.184.153-8San Pio X 2460 OF. 706 / Providencia, Santiago de Chile  
**METEOR MINERALS -UK-LTD Company #1394330811**  
Laura Olace Bath-BA2 4BL London CORPORATION METEOR MINERAL LLC/-1309  
Coffeen Avenue suite 4573 Sheridan, WY.82801  
International Financial /Production Development CEO: Fernando G  
MorganEmail: [meteor017@outlook.com](mailto:meteor017@outlook.com)/[intersteelgreen@gmail.com](mailto:intersteelgreen@gmail.com) Cell-/56 9 97842408

**SAMPLE RECEIVED:** 02/07/2023, 4:40 PM  
**SAMPLED BY:** Client

**JOB #:** 68341  
**SAMPLE LOG #:** X132, 35780574001

### RESULTS

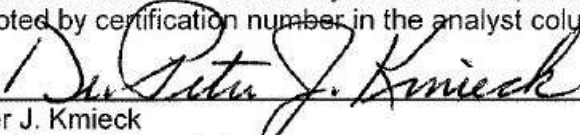
#### Sample – Copper Nano Particle

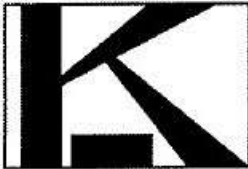
PARAMETERS	RESULTS	UNITS	METHOD	DATE ANALYZED	ANALYST
Arsenic	2.58	mg/Kg	EPA 6010	02/22/2023	E83079
Cadmium	1.17	mg/Kg	EPA 6010	02/22/2023	E83079
Chromium	157.7	mg/Kg	EPA 6010	02/22/2023	E83079
Lead	41.3	mg/Kg	EPA 6010	02/22/2023	E83079
Mercury	0.014	mg/Kg	EPA 7470	02/22/2023	E83079

..Sample stated from Production Inspection for a quality control Report:N0:00099 (Code SG-CC Inspection visit:03/03/22 ) production of 200kg Batch Cooper Nano Particle )- treatability a quality control test, (Purity Test Stewardt Blaitt Ltd Chile : Report result N0:20060379-1)

Kappa Laboratories, Inc has been inspected and previously recognized by the U.S. Department of Agriculture (USDA Microbiology-#0093, Chemistry-#1282); Registered with the U.S. Food and Drug Administration (FDA-#1039390) and is an FDA Accepted Laboratory for Import Testing. Kappa Laboratories is currently a Contract Laboratory to the U.S. Centers for Disease Control (CDC), Atlanta, Georgia; Vessel Sanitation Program and is U.S. Dept. of Homeland Security, U.S. Coast Guard Recognized Facility.

Test results relate only to the sample as submitted and received by the laboratory. Supplemental Analytical Certifications Pace Analytical Services, Inc.: DOH Cert #E83079. Subcontracted analyses are denoted by certification number in the analyst column.

Signed:   
Dr. Peter J. Kmiec  
Director, Kappa Laboratories, Inc.



# Kappa Laboratories, Inc.

2577 N.W. 74th Avenue • Miami, Florida 33122  
Phone (305) 599-0199 • Fax (305) 592-1224  
Office e-mail: kappalabs2@cs.com

www.kappalabs.com

## LABORATORY REPORT

**CLIENT:** Corporation Meteor Minerals SPA **DATE REPORTED:** 02/21/2023  
RUT: 77.184.153-8San Pio X 2460 OF. 706 / Providencia, Santiago de Chile  
METEOR MINERALS -UK-LTD Company #1394330811  
Laura Olace Bath-BA2 4BL London CORPORATION METEOR MINERAL LLC/-1309  
Coffeen Avenue suite 4573 Sheridan, WY.82801  
International Financial /Production Development CEO: Fernando G MorganEmail: [meteor017@outlook.com](mailto:meteor017@outlook.com) /-  
[intersteelgreen@gmail.com](mailto:intersteelgreen@gmail.com) Cell-/56 9 97842408

**SAMPLE RECEIVED:** 02/07/2023, 4:40 PM  
**TEMP RECEIVED:** 21°C  
**CONDITION:** Normal  
**RECEIVED FROM:** USPS  
**JOB #:** 68340  
**SAMPLE LOG #:** 155823

Total Aerobic Count (Aerobic Plate Count): FDA Bacteriological Analytical Manual (BAM), 8th Ed, Ch 3, 1998.  
Coliform Count & E.coli: AOAC, 17<sup>th</sup> Edition Chapter 17, Section 966.23 – 966.24. FDA Bacteriological Analytical Manual (BAM), 8<sup>th</sup> Edition, Chapter 4, 1998.  
Staphylococcus aureus: AOAC, 17<sup>th</sup> Edition Chapter 17, Section 975.55 & 987.09. FDA Bacteriological Analytical Manual (BAM), 8<sup>th</sup> Edition, Chapter 12.  
Total Mold Count (Aerobic Plate Count): FDA Bacteriological Analytical Manual (BAM), 8<sup>th</sup> Ed, Ch 18, 1998  
PCR Salmonella spp and Cultural Confirmation: SOP 1.1, AOAC – RI 051303  
PCR Listeria spp. and Cultural Confirmation: SOP 2.2, 2.2, AOAC – RI 071304  
PCR Listeria monocytogenes and Cultural Confirmation: SOP 2.1, 2.2, AOAC – RI 061302  
Bacillus cereus: FDA Bacteriological Analytical Manual (BAM), 8<sup>th</sup> Ed, Ch 14.  
Enterobacteriaceae : FDA Bacteriological Analytical Manual (BAM), 8<sup>th</sup> Edition, Chapter 4, 1998.  
Staphylococcus aureus and Pseudomonas aeruginosa: Method USP XXXIII, NF 38, <62>

## RESULTS

### Sample – Copper Nano Particle

Total Plate Count	<100 cts / gm
Coliforms	<3.0 MPN / gm
E.coli	<3.0 MPN / gm
Staphylococcus aureus	<100 cts / gm
Mold/Yeast	<100 cts / gm
PCR Salmonella spp.	Negative / 25 gm
PCR Listeria spp.	Negative / 25 gm
Bacillus cereus	<100 cts / gm
Enterobacter	<100 cts / gm
Pseudomonas spp	Negative / 10 gm

..Sample stated from Production Inspection for a quality control Report:N0:00099 (Code SG-CC Inspection visit:03/03/22 ) production of 200kg Batch Cooper Nano Particle )- treatability a quality control test, (Purity Test Stewardt Blaitt Ltd Chile : Report result N0:20060379-1)

## KAPPA LABORATORIES, INC.

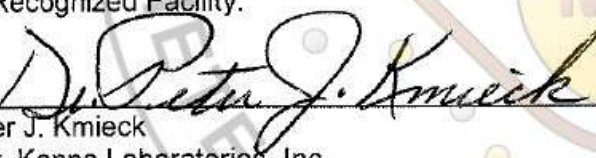
Note: less than (<) sign indicates Negative growth for those bacteria at the lowest level expressed. For example, <10 cts per gram would indicate Negative, or no growth, for the bacteria at a concentration of 1:10; if the bacteria is present it is less than this concentration.

Based upon the Microbiological results of the sample listed above and insofar as the analyses performed were able to assay for the presence or absence of specific pathogens, the product represented by the sample analyzed would appear to be **stable and fit for human usage**.

Normal sample retention time is 2 weeks, unless the lab is notified in writing to hold samples once the testing is performed.

Laboratory results apply to the sample(s) as received.

Kappa Laboratories has been inspected and previously recognized by the U.S. Department of Agriculture (USDA Microbiology-#0093, Chemistry-#1282); Registered with the U.S. Food and Drug Administration (FDA-#1039390) and is an FDA Accepted Laboratory for Import Testing. Kappa Laboratories is currently a Contract Laboratory to the U.S. Centers for Disease Control (CDC), Atlanta, Georgia; Vessel Sanitation Program and is U.S. Dept. of Homeland Security, U.S. Coast Guard Recognized Facility.

Signed:   
Dr. Peter J. Kmieck  
Director, Kappa Laboratories, Inc.





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Since May 2024



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International  
Organization for  
Standardization



Stainless steel vacuum-sealed insulated thermal flask  
Capacity: 17oz (500g)  
Mouth diameter: 35 mm  
Body diameter: 70 mm  
Inside of the bottle material:  
18/8 food-grade stainless steel  
ECO friendly: Yes  
BPA free: Yes  
Phthalete free: Yes  
Certificate: FDA/LFGB  
PRODUCT:  
NANO COPPER PARTICLES  
Purity: 99,9982% & 99,9983%  
Shape: Spherical  
Size: 5.1 Nm – 9.0 Nm – 21.4 Nm  
Viscosity form, solved with liquid medical grade vaseline for protection against transportation movement and oxidation  
NON-HAZARDOUS  
DOT RESTRICTIONS – Not applicable  
Manufacturer:  
<https://meteormineralsgroup.com/>  
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