

Ref: 07-25/01/v1/ATAR

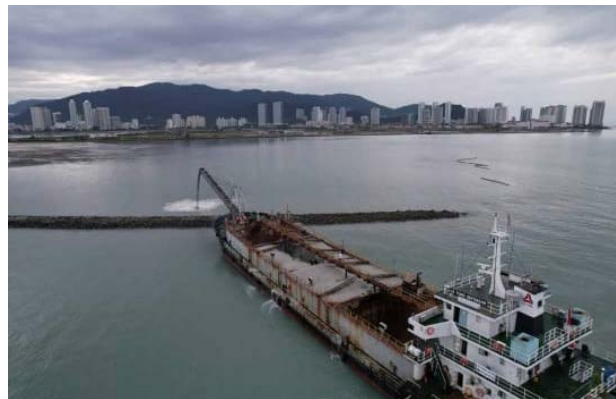
ATA RESOURCES **PRODUCT CATALOGUE**



Malaysian Products For Malaysian **Domestic Market**

(Local Trade)

1) **Marine Sand (Land Reclaim)** - Peninsular Malaysia (West Malaysia)

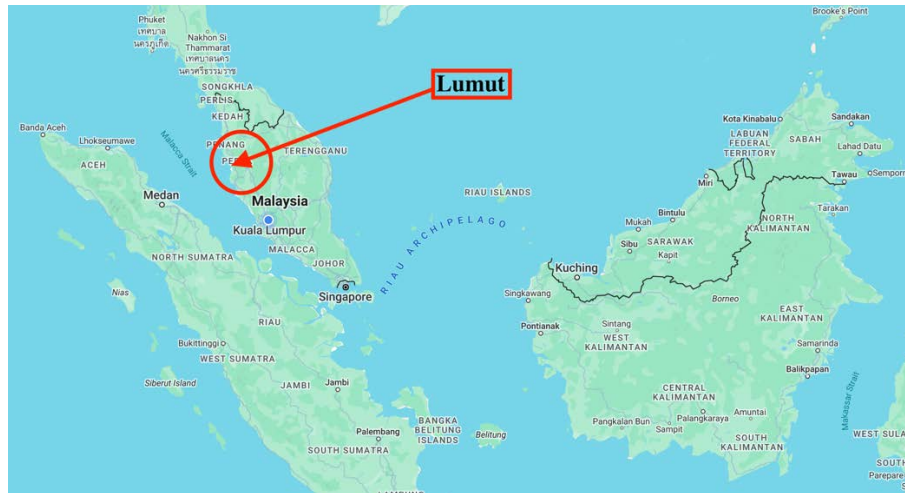


Price: POA (FOB/CIF)

Quantity: Up to 100,000,000.00m3

Packaging: Bulk via Barge or 3in1 (depending distance and unloading site)

2) Armour Rock - Lumut, Perak, Malaysia



Price: POA (FOB/CIF)

Size: 400mm to 2000mm

Quantity: Up to 200,000 Metric Tonnes Per Month

Packaging: Bulk via Barge

3) Armour Rock - Port Dickson, Negeri Sembilan, Malaysia



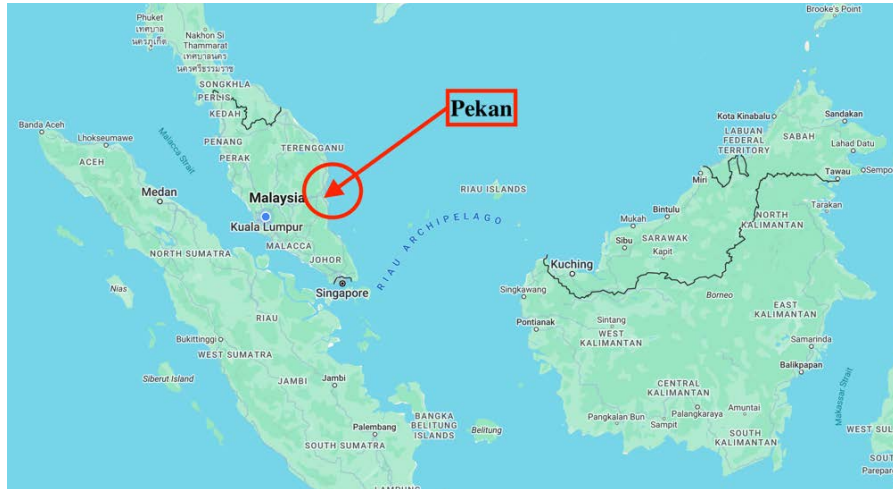
Price: POA (FOB/CIF)

Size: 400mm to 2000mm

Quantity: Up to 100,000 Metric Tonnes Per Month

Packaging: Bulk via Barge

4) River Sand - Pekan, Pahang, Malaysia



CHINA CERTIFICATION & INSPECTION GROUP

正本
ORIGINAL

CERTIFICATE OF ANALYSIS

Client :
Attn To :
Address :
Mobile No. :
Email :
Date Received : 14.02.2023
Date Tested : 14.02.2023
Date Reported : 23.02.2023

Lab Reference No. :
Sample No. :
Product : RIVER SAND
Source : PASIR SUNGAI PEKAN

On testing, the following results were obtained:

No.	TEST ITEM	METHOD	UNIT	LIMIT	RESULT
1	Chloride	GB/T 14684-2011	%	Report	ND <0.01
2	Clay Content	GB/T 14684-2011	%	Report	1.32
3	Clay Lump Content	GB/T 14684-2011	%	Report	0.00
4	Organic Content	GB/T 14684-2011	-	Report	Pass
5	Sulphate	GB/T 14684-2011	%	Report	0.04
6	Total Moisture	GB/T 14684-2011	%	Report	0.06
7	Particle Size Distribution	GB/T 14684-2011	%	Report	Refer to Annex
8	Fineness Modulus	GB/T 14684-2011	-	Report	2.91

Remarks : ND = NOT DETECTED

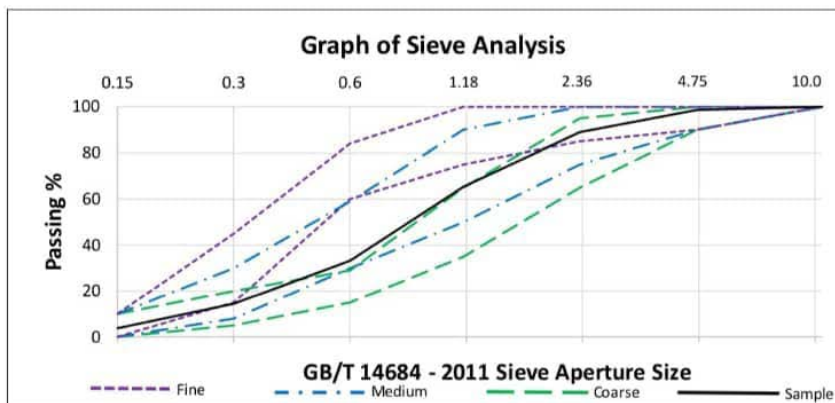
Authorized Signature


Ooi Yan Jie
Laboratory Manager



**ATA GROUP**
MALAYSIA**CHINA CERTIFICATION & INSPECTION GROUP****ANALYSIS REPORT**

Sieve Analysis and Fineness Modulus Table				
GB/T 14684-2011 Sieve Aperture Size (mm)	Weight Retained (g)	Percentage of Weight Retained (%)	Cumulative Retained Percentage (%)	Passing Percentage (%)
4.750	13.88	1.37	1.37	98.63
2.360	97.67	9.65	11.02	88.98
1.180	238.85	23.59	34.61	65.39
0.600	325.45	32.15	66.76	33.24
0.300	190.24	18.79	85.55	14.45
0.150	108.49	10.72	96.27	3.73
0.075	24.42	2.41	98.68	1.32
Pan	13.37	1.32	100.00	0
Total	1012.37			
Fineness Modulus = 2.91				

**Remarks:**

The samples were not drawn by the laboratory.
The above results are representative only of the sample received and relate only to the items tested.
This test report shall not be reproduced except in full without the written approval of the laboratory.

For and on Behalf of
CCIC P&O Malaysia Sdn Bhd

Authorized Signature(S)
Ooi Yan Jie
Laboratory Manager

Price: POA (FOB)

Size: 1.1mm-4.7mm

Quantity: Up to 200,000 Metric Tonnes Per Month

Packaging: Bulk via Barge

5) River Sand - Paloh Hinai, Pahang, Malaysia



Price: POA (FOB)

Size: 1.1mm-4.7mm

Quantity: Up to 200,000 Metric Tonnes Per Month

Packaging: Bulk via Barge

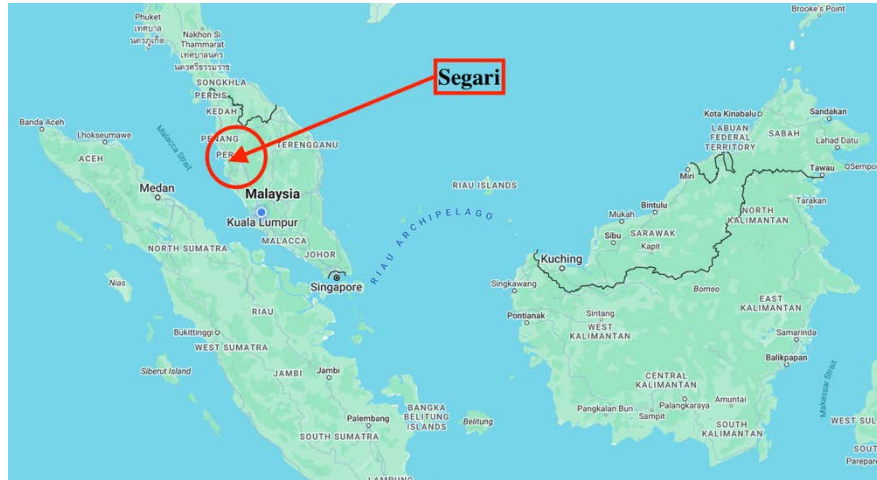
ATA Resources Sdn. Bhd.
202301003306 (1497225-T)
ATA Construction Sdn. Bhd.
202301007393 (1501314-V)
ATA Agri Sdn. Bhd.
202301019594 (1513516-P)
ATA Foods Sdn. Bhd.
202301019635 (1513557-U)
ATA Qualitas Sdn. Bhd.
202401002859 (1548709-W)
ATA Group International Co. Ltd.
(LL20461)



Malaysian & International Products For International Market

(Export Trade)

6) Silica Sand - Segari, Perak, Malaysia



Report Order: PKG23-01367.003
BOSS No.

ANALYSIS REPORT

Page 1 of 1

Principal Name:
Principal Address:
Sample Name: PERAK C
Sample Type: SAND
Sample Received Date: 2023-10-16
Sample Reported Date: 2023-10-23
Order Number:
Sample Condition on Receipt:

In accordance with instructions received from applicant, we prepared and carried out required test on the submitted sample. The analysis results reported as follows:

Test Items	Unit	Result	Method
Silica, SiO ₂	%	99.4	CLA20V_QR
Aluminium as Al ₂ O ₃	%	0.061	ICP40B
Iron as Fe ₂ O ₃	%	0.029	ICP40B

Remark:

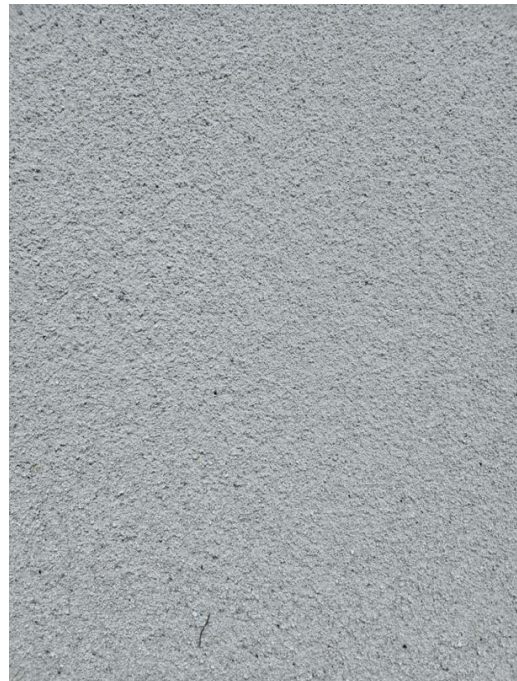
- These test results are representative only of the sample received and are not intended to be representative of any lot, cargo or shipment.
- This test report is not for L/C negotiation purposes.

***** The End*****

SGS (MALAYSIA) SDN. BHD. -MINERALS



ChM Siti Rafiah
BSc (Hons), MMIC
Senior Chemist



Price: POA (FOB)

Size: 2.5mm

Quantity: Up to 100,000 Metric Tonnes Per Month

Packaging: Bulk via MV

ATA Resources Sdn. Bhd.
202301003306 (1497225-T)

ATA Construction Sdn. Bhd.
202301007393 (1501314-V)

ATA Agri Sdn. Bhd.
202301019594 (1513516-P)

ATA Foods Sdn. Bhd.
202301019635 (1513557-U)

ATA Qualitas Sdn. Bhd.
202401002859 (1548709-W)

ATA Group International Co. Ltd.
(LL20461)



7) Silica Sand - Banting, Selangor, Malaysia



CHINA CERTIFICATION & INSPECTION GROUP

正本
ORIGINAL

CERTIFICATE OF ANALYSIS

Client : ATA RESOURCES SDN BHD Lab Reference No. : 2024-PKL-00498
Attn To : MR DAVE Sample No. : 2024-PKL-00498-01
Address : D4-3A-16 SOLARIS DUTAMAS NO 1, JALAN DUTAMAS 1, 50480 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR Product : SILICA SAND
Mobile No. : 016-626 4535
Email : resources@atagroupsb.com
Date Received : 28.06.2024
Date Tested : 01.07.2024
Date Reported : 04.07.2024

On testing, the following results were obtained:

No.	TEST ITEM	METHOD	UNIT	LIMIT	RESULT
1	Silica as SiO ₂	Gravimetric	%mass	Report	98.65
2	Iron as Fe ₂ O ₃	ICP-OES	%	Report	0.09
3	Aluminium as Al ₂ O ₃	ICP-OES	%	Report	0.70
4	Titanium as TiO ₂	ICP-OES	%	Report	0.08
5	Particle Size Distribution	GB/T 14684-2011	%	Report	See attached
6	Fineness Modulus	GB/T 14684-2011	-	Report	4.26

Authorized Signature

Tung Xiao Dan
Lab Supervisor

This test report is issued under the Company's general terms and conditions (copy available upon request and at <https://www.ccic.com/terms-and-conditions/>). Above tests performed in accordance with the latest issue of the relevant test method unless otherwise stated. The results shown above relate only to the items tested, unless otherwise specified. Precision parameters apply in the determination of above results. Please refer to latest editions of ASTM D3244; IP 367; ISO 4209; and Appendix E of IP standard methods for analysis & testing, for utilization of above test data to determine conformance with specifications. This report shall not be reproduced except in full, without the written approval of the Laboratory.

CCIC P&O MALAYSIA SDN. BHD.
Address: No.1, Jalan Sultan Alauddin 2, Bandar Sultan Suleiman, 42000 Port Klang, Selangor
Tel: +601 92768373 E-mail: pk1.admin@ccic.com
Website: www.ccic.com Company Registration Number: 826815-P





**ATA GROUP
MALAYSIA**



CCIC P&O MALAYSIA SDN BHD

No.1, Jalan Sultan Alauddin 2, Bandar Sultan Suleiman, 42000 Port Klang, Selangor

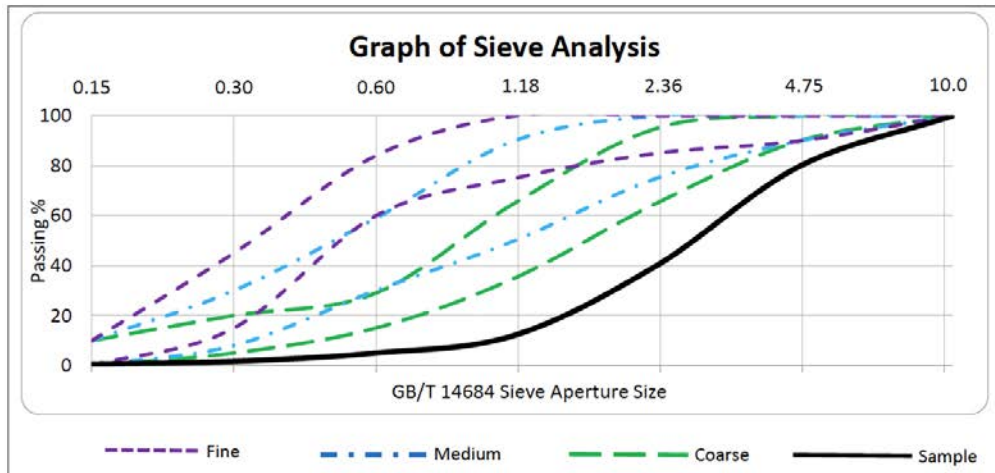
Tel : +603 – 3176 1331

Email : pkl.admin@ccicsg.com

ANALYSIS REPORT

Sample ID: 2024-PKL-00498-01
Product: Silica Sand
Client: ATA Resources Sdn. Bhd.
Date: 04/07/2024

GB/T 14684 Sieve Aperture Size (mm)	Weight Retained (g)	Percentage of Weight Retained (%)	Cumulative Retained Percentage (%)	Passing Percentage (%)
4.750	106.01	20.14	20.14	79.86
2.360	209.80	39.85	59.99	40.01
1.180	146.93	27.91	87.90	12.10
0.600	37.35	7.10	95.00	5.00
0.300	17.55	3.33	98.33	1.67
0.150	6.08	1.15	99.49	0.51
Pan	2.69	0.51	100.00	0.00
Total	526.41	100.00		
Fineness Modulus = 4.26				



Remarks:

The samples were not drawn by the laboratory.
The above results are representative only of the sample received and relate only to the items tested.
This test report shall not be reproduced except in full without the written approval of the laboratory.



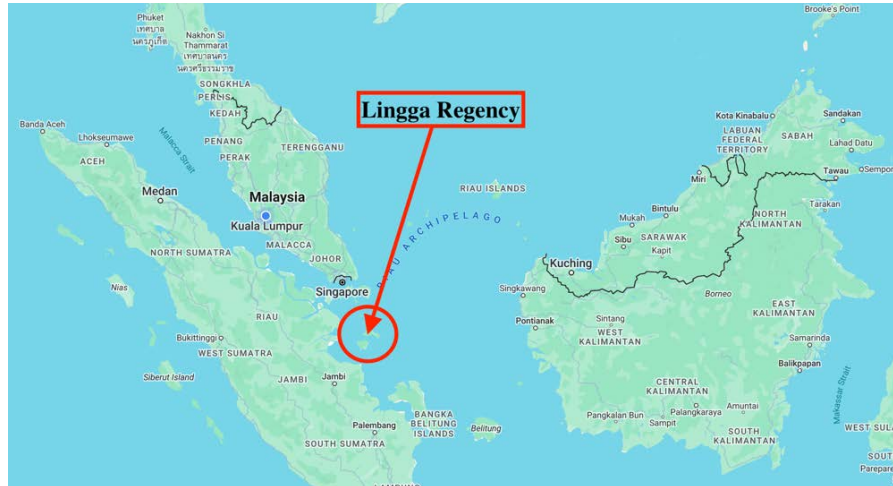
Price: POA (FOB)

Size: 0.1mm - 4.7mm

Quantity: Up to 100,000 Metric Tonnes Per Month

Packaging: Bulk via MV

8) Silica Sand - Lingga Regency, Riau Islands, Indonesia



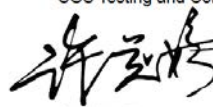
MATERIAL ANALYSIS OF TWENTY-ONE SAND SAMPLE

Client:	
Client's Contact:	
Client's Ref.:	
SGS Ref.:	
Report Date:	21 February 2024

Report Type:	Factual Report of Site Inspection and/or Lab Analysis	
	Preliminary Investigation / Analysis Report	
	Final Investigation / Analysis Report	✓
	Desktop Review Report	
	Comments on Other Party's Report(s)	
	Other Report	

This report is issued subject to the General Terms and Conditions of SGS Testing and Control Services Singapore Pte Ltd., a copy of which is available on the following webpage: <http://www.sgs.com/en/Terms-and-Conditions.aspx>, or upon request.

For on behalf of
SGS Testing and Control Services Singapore Pte Ltd




Candice Sue
Technical Specialist
DID: +65 9729 8692
Email: Candice.Sue@sgs.com



ATA GROUP
MALAYSIA

SGS

TEST RESULT

The chemical composition of the two sand samples were analyzed using X-ray fluorescence (XRF) in accordance with GB/T21114-2019.

The analysis results are outlined in Table 1.

Table 1 Chemical Composition Analysis Results (Unit: wt%)

Compound	Content									
	D1-1	D7-1	C6-1	TMS-3	B7-3	BM7-7	BB16-3	B18-3	B5-1	BT7-1
Reduction of caustic soda (Loss 1025 °C)	0.13	0.14	0.13	0.12	0.13	0.12	0.14	0.12	0.13	0.14
Al ₂ O ₃	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SiO ₂	99.84	99.71	99.74	99.91	99.91	99.82	99.81	99.91	99.78	99.83
Fe ₂ O ₃	0.012	0.013	0.012	0.014	0.013	0.012	0.012	0.012	0.012	0.012
CaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MgO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K ₂ O	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Na ₂ O	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
TiO ₂	0.02	0.03	0.04	0.03	0.02	0.03	0.04	0.03	0.02	0.03
Cl-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

SGS

Compound	Content									
	B2-3	B2-1	A14-3	AT17-3	A6-3	A11-3	A8-1	A8-3	CM2-1	C4-1
Reduction of caustic soda (Loss 1025 °C)	0.14	0.13	0.13	0.12	0.14	0.12	0.14	0.14	0.13	0.13
Al ₂ O ₃	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SiO ₂	99.91	99.98	99.88	99.89	99.88	99.76	99.89	99.87	99.91	99.88
Fe ₂ O ₃	0.012	0.014	0.013	0.012	0.012	0.014	0.014	0.012	0.013	0.014
CaO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MgO	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
K ₂ O	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Na ₂ O	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
TiO ₂	0.02	0.03	0.03	0.04	0.02	0.02	0.04	0.02	0.02	0.03
Cl-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01





Price: POA (FOB)
Size: 0.17mm-0.35mm
Quantity: Up to 100,000 Metric Tonnes Per Month
Packaging: Bulk via MV

ATA Resources Sdn. Bhd.
202301003306 (1497225-T)

ATA Construction Sdn. Bhd.
202301007393 (1501314-V)

ATA Agri Sdn. Bhd.
202301019594 (1513516-P)

ATA Foods Sdn. Bhd.
202301019635 (1513557-U)

ATA Qualitas Sdn. Bhd.
202401002859 (1548709-W)

ATA Group International Co. Ltd.
(LL20461)



9) Silica Sand - Sukamara Regency, Kalimantan Tengah, Indonesia



IDSurvey
Testing Inspection Certification

Certificate No.
Date: June 17, 2024

Issuing Office:
Jl. Arteri Supadio KM.12.5, Sungai Raya - Kubu Raya, Indonesia
Phone/Fax: +62 561 - 73334/0561 - 736319
Email: pontianak@sucofindo.co.id

CERTIFICATE OF ANALYSIS

This Certificate is an integral part of PVE-PPHP No. 25.30.24.00663
SHIPPER

NO. IUP OP
VESSEL
CARGO : 42.500.000 MT
CONSIGNMENT : LOW IRON SILICA SAND
INTERVENTION : SAMPLING AND ANALYSIS
NOTIFY PARTY

PORT OF LOADING : KUMAI, INDONESIA
PORT OF DISCHARGE : NANTONG PORT, CHINA
DATE OF INTERVENTION : JANUARY 31, 2024 UP TO JUNE 17, 2024

Gross sample were taken during loading to barge in accordance with SNI STANDARD. Samples prepared and analyzed in accordance with ICP INSTRUMENT and showed the following average results:

Parameter	Unit	Result	Method
Silicon Dioxide (SiO ₂)	% db	99.78	PO-PTK-MIN-027 (ICP)
Iron Oxide (Fe ₂ O ₃)	% db	0.006	PO-PTK-MIN-027 (ICP)
Total Moisture	%	6.67	GRAVIMETRI

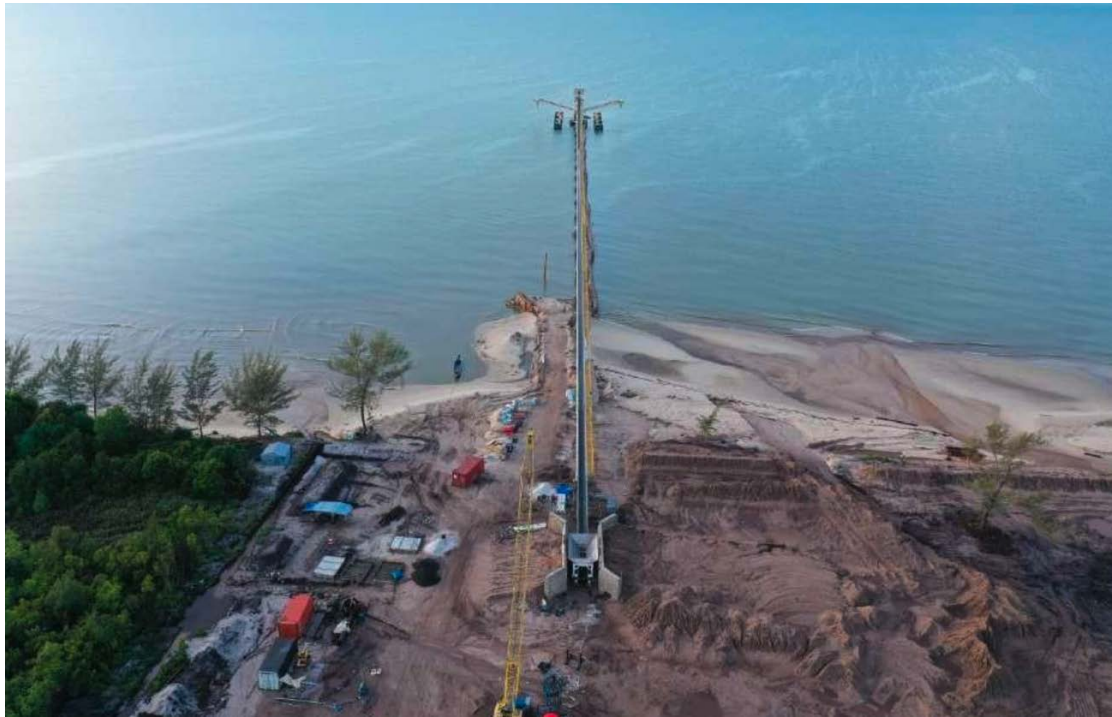
This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id

Pontianak Branch,
SUCOFINDO
Ade Agustian

60030123000671
TV/Ad

4889159





Price: POA (FOB)

Size: 0.17mm-0.35mm

Quantity: Up to 100,000 Metric Tonnes Per Month

Packaging: Bulk via MV

10) Silica Sand - East Kotawaringin Regency, Kalimantan Tengah, Indonesia



Cikarang Branch / Laboratory
Kawasan Industri Duren Duren 2, Lantai Cikarang, Jalan
Rotten Rota 1/27, Sektor 20C, Duren Duren, Kecamatan
Cikarang Pusat, Kabupaten Bekasi, Jawa Barat

Report No.:

REPORT OF ANALYSIS

Principal :
Subject : Silica Sand
Tested For : Moisture Content, Silicon Dioxide, Iron (III) Oxide, Aluminium Oxide,
Calcium Oxide, Potassium Oxide, Magnesium Oxide, Manganese (II) oxide,
Chromium (III) Oxide, Sodium Oxide, Titanium Dioxide, Loss on Ignition, Size
Description of Sample : No Code
Packing : Double Plastic Bag
Weight : 10.00 kg
Seal No. : No Seal
Date of Received : April 24, 2024
Date of Analyzed : April 24 up to April 29, 2024
Date of Reported : April 29, 2024

THIS IS TO REPORT that upon the request of the applicant, the sample received was analyzed in the laboratory. The Results are as follows:

PARAMETER	RESULT	UNIT	METHOD
Moisture Content	6.33	%, AR	GB/T 2007.6-1987
SiO ₂	99.7	%, DB	YB/T 4225-2010
Fe ₂ O ₃	0.007	%, DB	SN/T 3365-2012
Al ₂ O ₃	0.049	%, DB	SN/T 3365-2012
CaO	0.030	%, DB	ICP
K ₂ O	0.001	%, DB	ICP
MgO	0.003	%, DB	ICP
MnO	0.001	%, DB	SN/T 3365-2012
Cr ₂ O ₃	0.001	%, DB	ICP
Na ₂ O	<0.001	%, DB	ICP
TiO ₂	0.054	%, DB	SN/T 3365-2012
Loss on Ignition	0.19	%, DB	Gravimetric

MESH (%)			METHOD
>30	30-140	<140	GBT 2007.7-1987
38.08	57.11	4.81	

Remarks :

- This report refers to the tested sample only.
- This Report reflects our findings at time and place of analysis only and does not certify any other matters.
- This Report is issued without prejudice and our responsibility is limited to the exercise of reasonable care and due diligence.
- DB: Dry Basis, AR: As Received

Cikarang, April 29, 2024
PT. ANINDYA WIRAPUTRA KONSULT

Vivit Delfinas
Technical Manager





Price: POA (FOB)

Size: 0.17mm-0.35mm

Quantity: Up to 100,000 Metric Tonnes Per Month

Packaging: Bulk via MV

11) **Iron Ore** - Tanah Merah, Kelantan, Malaysia



CHINA CERTIFICATION & INSPECTION GROUP

正本
ORIGINAL

CERTIFICATE OF ANALYSIS

Client : ATA RESOURCES SDN BHD
Attn To : Ma Eryn
Address : D4-3A-16, SOLARIS DUTAMAS, NO 1, JALAN DUTAMAS 1, 50480 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR
Tel/Fax : 03-6420 4325
Email : resources@atagroups.com
Date Received : 04.03.2025
Date Tested : 06.03.2025
Date Reported : 11.03.2025

Lab Reference No. : 2025-PKL-00193
Sample No. : 2025-PKL-00193-01
Product : IRON ORE
Source : TANAH MERAH, KELANTAN

On testing, the following results were obtained:

No.	TEST ITEM	METHOD	UNIT	LIMIT	RESULT
1	Iron, Fe	ISO 2597-2:2019 (E) 3rd Edition	%	-	54.64
2	Iron (III) Oxide, Fe ₂ O ₃	ISO 2597-2:2019 (E) 3rd Edition	%	-	77.84
3	Phosphorus, P	ISO 2599:2003 (E) 3rd Edition	%	-	0.093
4	Sulphur, S	ISO 4689-3:2004 (E) 1st Edition	%	-	0.075
5	Aluminium Oxide, Al ₂ O ₃	ISO 6830-1986 (E) 1st Edition	%	-	3.32
6	Silica, SiO ₂	ISO 2598-1:1992 (E) 1st Edition	%	-	7.19
7	Total Moisture, TM	ISO 3087:2020 (E) 5th Edition	%	-	0.87
8	Lump Size	Visual	mm	-	See attached

Authorized Signature

Tung Xiao Dan
Lab Supervisor

ATA Resources Sdn. Bhd.
202301003306 (1497225-T)

ATA Construction Sdn. Bhd.
202301007393 (1501314-V)

ATA Agri Sdn. Bhd.
202301019594 (1513516-P)

ATA Foods Sdn. Bhd.
202301019635 (1513557-U)

ATA Qualitas Sdn. Bhd.
202401002859 (1548709-W)

ATA Group International Co. Ltd.
(LL20461)



**ATA GROUP
MALAYSIA**



CCIC P&O MALAYSIA SDN BHD

No.1, Jalan Sultan Alauddin 2, Bandar Sultan Suleiman, 42000 Port Klang, Selangor
Tel : +603 - 3176 1331
Email : pkl.admin@ccicsg.com



Price: POA (FOB)

Size: Lumps

Quantity: Up to 50,000 Metric Tonnes Per Month

Packaging: Bulk via MV

D4-3A-16, Solaris Dutamas, No. 1, Jalan Dutamas 1, 50480 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia

+603 6420 4325 | www.atagroupsb.com

ATA Resources Sdn. Bhd.
202301003306 (1497225-T)

ATA Construction Sdn. Bhd.
202301007393 (1501314-V)

ATA Agri Sdn. Bhd.
202301019594 (1513516-P)

ATA Foods Sdn. Bhd.
202301019635 (1513557-U)

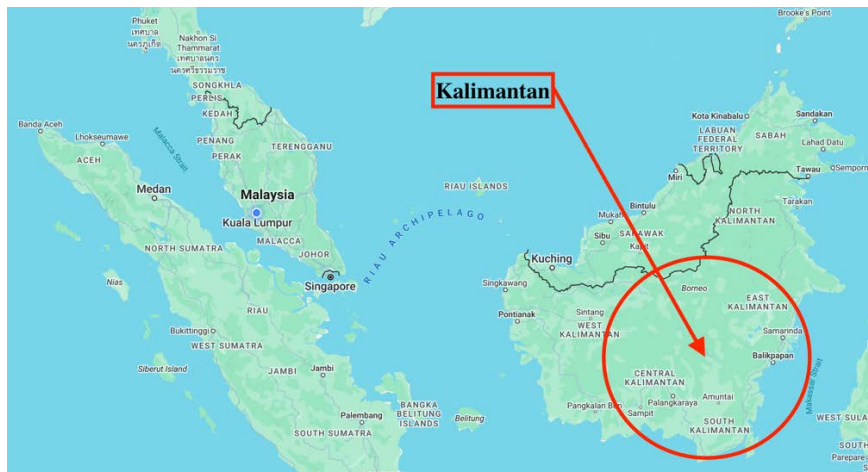
ATA Qualitas Sdn. Bhd.
202401002859 (1548709-W)

ATA Group International Co. Ltd.
(LL20461)



ATA GROUP
MALAYSIA

12) ICI 2 & ICI 3 Steam Coal – Kalimantan, Indonesia



IDSurvey
Building Indonesia's Competitiveness

Certificate No.
Date: June 8, 2024

SUCOFINDO

Issuing Office:
Jl. RE. Martadinata No. 37 RT. 07/02 Kel. Kancing Kec. Kampung Melayu, Bengkulu, Indonesia
Phone/Facs: +62 736-5611644/0736-5500422
Email: cs.bku@sucofindo.co.id

CERTIFICATE OF SAMPLING AND ANALYSIS

DESCRIPTION OF GOODS : INDONESIA STEAM COAL
QUANTITY : 7,773.930 MT
PRINCIPAL :

NOTIFY :

CARGO IDENTIFICATION : TRUCKING PT. BENCOOLEN MINING
DATE AND PLACE OF INSPECTION :

Result:

Gross samples were taken during loading in accordance with ASTM D2234/2234M - 20 Standard. Samples were prepared and analyzed in accordance with ASTM D2013/D2013M - 21 Standard Methods showed the following average results

- Total Moisture	(ar)	: 29.88	%	ASTM D 3302 - 19
- Inherent Moisture	(adb)	: 13.46	%	ASTM D 3173 - 17a
- Ash Content	(adb)	: 10.08	%	ASTM D 3174 - 12 (2018)e1
- Volatile Matter	(adb)	: 40.56	%	ASTM D 3175 - 20
- Fixed Carbon	(adb)	: 35.90	%	ASTM D 3172 - 13 (2021)e1
- Total Sulphur	(adb)	: 0.25	%	ASTM D 4239 - 18e1
- Gross Calorific Value	(ar)	: 4514	Kcal/kg	ASTM D 5865 - 19
- Gross Calorific Value	(adb)	: 5572	Kcal/kg	ASTM D 5865 - 19
- Gross Calorific Value	(dafb)	: 7287	Kcal/kg	ASTM D 5865 - 19

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Bengkulu Branch

SUCOFINDO
Iman Sumantri

25010124000311

4807906

SCI-2023A

ATA Resources Sdn. Bhd.
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202301007393 (1501314-V)

ATA Agri Sdn. Bhd.
202301019594 (1513516-P)

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202301019635 (1513557-U)

ATA Qualitas Sdn. Bhd.
202401002859 (1548709-W)

ATA Group International Co. Ltd.
(LL20461)



PT. CCIC JAKARTA

Member of China Certification and Inspection Group

Job No. :

Date : August 03rd, 2024

Page : 1 of 5

REPORT OF LABORATORY ANALYSIS

Sample No. :
Sample ID :
Client :

Attention :
Address :
Consignment : Coal Sample
Date Received : July 26th, 2024
Date Tested : July 26th - 31th, 2024
Sample Weight : 9.26 Kg
Tested For : Total Moisture, Inherent Moisture, Ash, Volatile Matter, Fixed Carbon, Total Sulphur,
Gross Calorific Value, Net Calorific Value, Hardgrove Grindability Index,
Ash Fusion Temperature.

THIS IS TO REPORT that upon the request of the principal, The sample received was prepared and analyzed according to ASTM Standard with specifications shown as below:

Parameter	Unit	Basis				Standard Method
		ARB	ADB	DB	DAF	
1.Total Moisture	%	5.88	-	-	-	ASTM-D3302
2.Inherent Moisture	%	-	4.35	-	-	ASTM-D3173
3.Ash	%	21.56	21.91	22.91	-	ASTM-D3174
4.Volatile Matter	%	37.77	38.38	40.13	52.05	ASTM-D3175
5.Fixed Carbon	%	34.79	35.36	36.96	47.95	By Difference
6.Total Sulfur	%	0.85	0.86	0.90	1.17	ASTM-D4239
7.Gross Calorific Value	kcal/kg	5578	5669	5927	7688	ASTM-D5865
8.Net Calorific Value	kcal/kg	5308	-	-	-	ASTM-D5865
9.HGI	index	49				ASTM-D409
10.AFT(Oxidizing)	°C	DT:>1500 ST:>1500 HT:>1500 FT:>1500				ASTM-D1857

Note : ARB= As Received Basis ; ADB=Air Dried Basis ; DB=Dry Basis ; DAF=Dry Ash-Free ; (-)=Not Analyzed

This Report reflects our findings at time and place of analysis only and does not report any other matters.
This Report refers to the tested sample only and is issued without prejudice.

FOR AND ON BEHALF OF PT. CCIC JAKARTA


Zainal Ilmi
Lab Manager
Banjarbaru Branch

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202301019635 (1513557-U)

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202401002859 (1548709-W)

ATA Group International Co. Ltd.
(LL20461)



ATA GROUP
MALAYSIA



Report No.
Date: March 22, 2025



Issuing Office:
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Phone/Facs: +62 736-5611844/0736-5500422
Email: cs.bku@sucofindo.co.id

REPORT OF ANALYSIS

PRINCIPAL :
SUBJECT : 1 (ONE) SAMPLE OF COAL
DATE OF RECEIVED : MARCH 20, 2025
TESTED FOR : TM, PROXIMATE, AND GCV
SAMPLE IDENTIFICATION : SAMPLE SUBMITTED BY PRINCIPAL, PACKING UNSEALED PLASTIC BAG, WEIGHT SAMPLE : 5.76 KG
CODE OF SAMPLE : COAL MIS - BM 01

Result:

PARAMETER		UNIT	RESULT	METHODS
Total Moisture	(ar)	%	30.14	ASTM D 3302 - 19
Inherent Moisture	(adb)	%	14.54	ASTM D 3173 - 17a
Ash Content	(adb)	%	5.07	ASTM D 3174 - 12 (2018)e1
Volatile Matter	(adb)	%	41.55	ASTM D 3175 - 20
Fixed Carbon	(adb)	%	38.84	ASTM D 3172 - 13 (2021)e1
Total Sulfur	(adb)	%	0.19	ASTM D 4239 - 18e1
Gross Calorific Value	(ar)	K cal/kg	4803	ASTM D 5865 - 19
Gross Calorific Value	(adb)	K cal/kg	5876	ASTM D 5865 - 19
Gross Calorific Value	(dafb)	K cal/kg	7309	ASTM D 5865 - 19

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This test result (s) related to the sample (s) submitted only and the report cannot be reproduced in any way, except in full context and with the prior approval in writing from Sucofindo Laboratory

Bengkulu Branch

Iman Sumantri

25010125000204



5181590



SCI-2023A



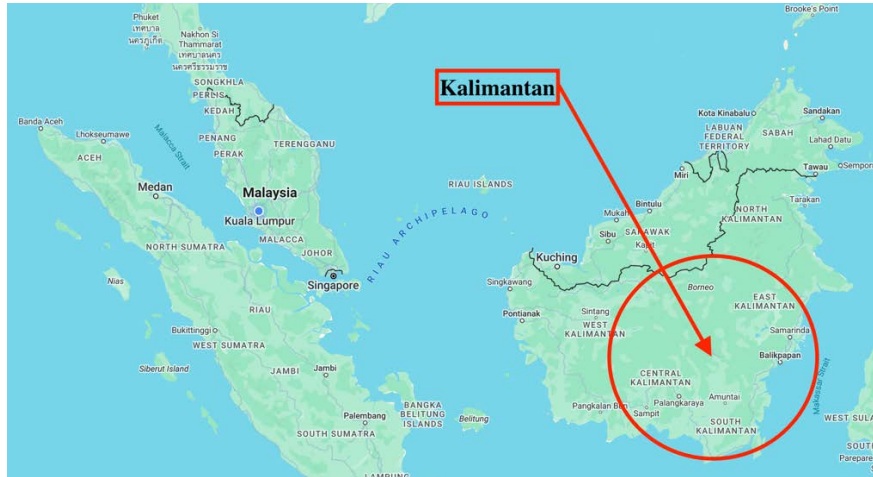
Price: POA (FOB)

Size: 0-100mm

Quantity: Up to 100,000 Metric Tonnes Per Month

Packaging: Bulk via Barge or MV

13) PCI Coal (Anthracite) - Kalimantan, Indonesia



Page 02 of 03

1. SAMPLES

The following report details the preparation, testing and analysis of Four (04) Coal samples from [REDACTED]. The samples were received at PT. Geoservices Banjarbaru Laboratory on November 04, 2023. All sampling of the samples were completed by [REDACTED] or agent. The samples inspection is listed below :

Customer Sample Id.	Mass Received (Kg)	Top Size (mm)	Packing Note
PTP/P/CH2/10/2023	10.000	± 50.00	One (01) Bag Good Condition
PTP/Q/CH1/10/2023	10.000	± 50.00	One (01) Bag Good Condition
PTP/P/ROM/10/2023	10.000	± 50.00	One (01) Bag Good Condition
PTP/Q/ROM/10/2023	10.000	± 50.00	One (01) Bag Good Condition

2. ANALYSIS

Under instruction from [REDACTED] (Request dated : October 31, 2023) the samples were then tested and analyzed for the following quality characteristic. The standard methods used are shown in parenthesis below :

- Total Moisture	% ar	ASTM D3302/D3302M - 2022
- Moisture in the analysis sample	% adb	ASTM D3173/D3173M - 2017a
- Ash Content	% adb	ASTM D3174 - 2018
- Volatile Matter	% adb	ASTM D3175 - 2020
- Fixed Carbon by difference	% adb	ASTM D3172 - 2013 (R2021)
- Total Sulphur (Instrument)	% adb	ASTM D4239 - 2018
- Calorific Value	Kcal/g adb	ASTM D5865 - 2019
- Hardgrove Grindability Index	index point	ASTM D409/D409M - 2016

ar as received basis
daf dry ash free
adb air dried basis
ASTM American Society for Testing and Material

The analysis were performed on November 04 up to 06, 2023

3. RESULT

The results of testing and analysis are presented on following pages.



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Page 03 of 03

No.	Lab Sample ID	Customer Sample ID	Mass Received	Total Moisture	Moisture in the analysis sample	Ash Content	Volatile Matter	Fixed Carbon	Total Sulphur	Calorific Value Kcal/Kg		
			Kg	% ar	% adb	% adb	% adb	% adb	% adb	adb	ar	daf
1	BG23.06509	PTP/P/CH2/10/2023	10.000	4.67	1.12	1.77	15.61	81.50	0.67	8449	8146	8700
2	BG23.06510	PTP/Q/CH1/10/2023	10.000	3.39	0.83	3.78	15.70	79.69	2.26	8267	8054	8667
3	BG23.06511	PTP/P/ROM/10/2023	10.000	4.76	1.52	2.91	16.39	79.18	0.55	8241	7970	8623
4	BG23.06512	PTP/Q/ROM/10/2023	10.000	4.97	1.24	4.92	15.68	78.16	1.93	8103	7797	8635

No.	Lab Sample ID	Customer Sample ID	Mass Received	RM For HGI	HGI
			Kg	% adb	Point
1	BG23.06509	PTP/P/CH2/10/2023	10.000	1.18	110
2	BG23.06510	PTP/Q/CH1/10/2023	10.000	0.76	112

PERINGATAN Sertifikat ini hanya berlaku untuk contoh batubara yang di serahkan oleh pelanggan di laboratorium kami. PT. Geoservices tidak bertanggung jawab bila hasil analisa itu tidak menggambarkan kualitas sebenarnya dari batubara dari mana contoh itu diambil.	WARNING This certificate of analysis is only applicable to the coal sample as delivered by client at our laboratories. PT. Geoservices disclaim any responsibility, if the analysis results do not represent the quality of coal from where the sample was taken.
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Dated : November 06 , 2023

Signed for and on behalf of
PT. Geoservices,

Panik Hasan S
Authorized Signatory

PT. GEOSERVICES

ORIGINAL

PT. Geoservices

Banjarbaru Branch Office

Jl. A. Yani Barat No. 8 KM. 33,5 Telp. (0511) 4772616 Fax. (0511) 4772324 Banjarbaru South Kalimantan





Price: POA (FOB)

Size: 0-100mm

Quantity: Up to 50,000 Metric Tonnes Per Month

Packaging: Bulk via Barge or MV

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202401002859 (1548709-W)

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(LL20461)



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14) Copper Powder – Abu Dhabi, United Arab Emirates



Certificate of Analysis No.: 0004890

Date: 05.04.2024

Goods:

Copper Powder, lot #0205/Cu

Quantity: 1340 kg* in 81 boxes*

Sample: 10g taken by IGAS research from 3 glass ampoules (out of boxes 05, 49, 95, acc. to information by customer)

* Net weight acc. to information given by customer

Measured with ICP-OES.

Result of Analysis

Element	Measured Value [ppm]
Ag	7
Al	<1
As	2
Au	<1
B	1
Ba	<1
Be	<1
Bi	<1
Ca	<1
Cd	<0,5
Co	<1

Element	Measured Value [ppm]
Cr	<1
Fe	<1
Hg	<1
K	<1
Li	<1
Mg	<1
Mn	<1
Mo	<1
Na	2
Ni	<1
P	3

Element	Measured Value [ppm]
Pb	<1
Pd	<1
Rb	<1
S	33
Sb	1
Sn	<0,5
Sr	<1
Ti	<0,5
V	<0,5
Zn	<1
Zr	<0,2

The chemical purity, calculated taking into account the elements Al, Be, Cd, Fe, Mg, Mo, Ni, Pd, Rb, Sb, Ti and Zn (acc. to "TU 1793-011-50316079-2004" and "TU 24.44.21-002-75815004-2022") is

99,9999%

The isotopic composition of this sample is that of natural copper:

^{63}Cu 69.1 % ± 0.05 % and ^{65}Cu 30.9 % ± 0.05 %

The material is not radioactive!

IGAS research
Landsraße 88a
D-38644 Goslar

Inhaber
Dr. Ernst Joachim Martin
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St.-Nr.: 21/128/02253

Sitz der Gesellschaft
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Fig 1: Overview,
the view field is 1 mm.

The picture shows
agglomerates of copper
powder. Some of those
are quite compact others
have a more filigree
structure.

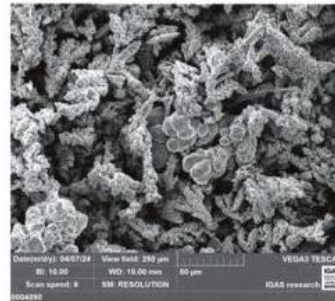


Fig. 3: 0004890, Cu
powder. View field:
250µm, scale: 50µm.

The picture shows an
agglomerate of structures
(diameter c. 5 µm - 10
µm), surrounded by very
filigree primary structures
of diameter generally < 5
µm.

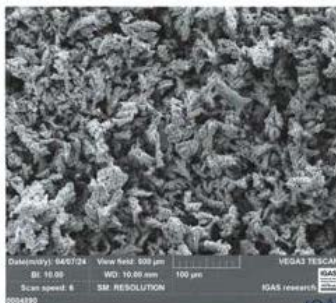


Fig 2: Overview shot. The
view field is 0,5 mm, the
scale is 100µm (0,1 mm).

The photograph shows a
variety of agglomerates
generally made up of
particles <15µm, only very
few are made up of
larger structures (>15µm -
c.30µm).

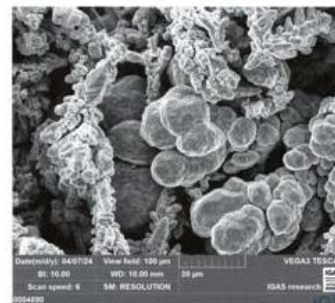


Fig. 4: 0004890

Cu powder. View field:
100 µm, scale: 20µm.

Closer view on the
agglomerate of Fig. 3.

The picture shows some
larger structures
(generally < c.10µm),
embedded in
agglomerates of very fine
grained primary
structures (< c. 3 µm).

2

3

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Price: POA (FOB)

Size: Less than 10µm

Quantity: 1 Metric Tonne Per Month

Packaging: Ampoule and Cartons

15) Palm Oil – Peninsular Malaysia (West Malaysia)



Price: POA (FOB)

Type: CPO, PPO, SPO

Quantity: Up to 50,000 Metric Tonne Per Month

Packaging: Loose Bulk, Tanks, Barrels & Jerrycans

16) **Palm Oil (Vegetable Cooking Oil)** – Peninsular Malaysia (West Malaysia)



Price: POA (FOB)

Type: Cooking Oil

Quantity: Up to 10,000 Metric Tonne Per Month

Packaging: Loose Bulk, Tanks, Barrels, Containers & Pouches

17) **Gold** – Hong Kong, Thailand, India, Indonesia, Japan, Dubai, Australia, United Kingdom, Germany & Switzerland



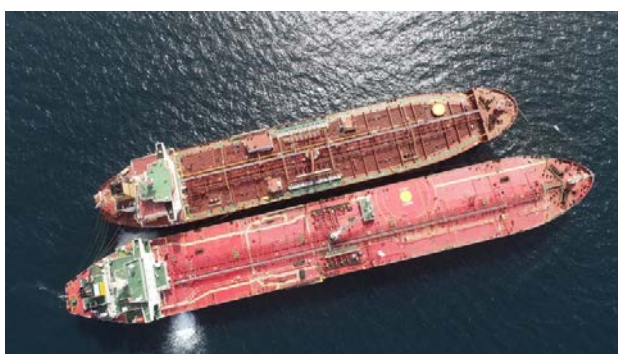
Price: POA (FOB - Hong Kong, Germany, Switzerland United Kingdom & Dubai)
(CIF - Anywhere in the world reachable by international forwarders)

Size: 1 or 12.5 KG Bullion Bar

Purity: 999.5 / 1000 (min)

Age: Less than 5 years / Over 5 years old

18) Oil & Gas – Various Locations Around The World



Price: POA (FOB / CIF)

Quantity: Various allocations at various locations

Packaging: Oil Tanker, LNG Tanker, TTT, TTV