



LABORATORY

ENERCO

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LIST OF LABORATORY EQUIPMENTS

SI NO.	DESCRIPTION	MAKE	QUANTITY
1	225 liters Thermostatically controlled Digital Drying Oven with two grid shelves - Temperature - 200 deg.C	Calor, UK	1
2	"DIGITAL WATER BATH COMPLETE, 9 SPECIMENS Inside dimensions: 430x420x160 mm Outside dimensions: 620x500x330 mm The bath can hold up to 9 Marshall specimens Capacity: 30 litres"	Matest, Italy	1
3	VACUUM PUMP	Value Pump	1
4	"VACUUM PYCNOMETER, 10 LITRES, Transparent plexiglass made, complete with valve and gauge, it is utilized for a rapid determination of asphalt content, bulk specific gravity of aggregates, the max. theoretic specific gravity of bituminous uncompacted road mixtures and the percent air voids in compacted mixtures. To perform the test a minimum ultimate vacuum of 30mm/Hg is requested"	Matest, Italy	1
5	"MORTAR MIXER - The mixer is supplied complete with stainless steel bowl, but "without" whisk to be ordered separately (see accessories). Power supply: 230 V 1 ph 50 Hz 800 W"	Matest, Italy	1
6	WHISK BEATER FOR MIXER 5 LITRES CAPACITY	Matest, Italy	1
7	ELECTRIC HEATER FOR MIXER 5 LITRES CAP.	Matest, Italy	1
8	"MOTORIZED SIEVE SHAKER DIA. 200 - 315 MM.It accepts Sieves having dia. 200 - 250 - 300 - 315 mm, and 8" Provided of timer 0 - 60 minutes.Power supply: 230V 1ph 50Hz 110W Dimensions: 350x400x950 mm"	Matest, Italy	1
	BS, STAINLESS STEEL, 300MM DIA. SET OF SIEVES with conformity certificate		
9	63.0mm	Impact,UK	1
10	50mm	Impact,UK	1
11	37.5mm	Impact,UK	1
12	28.0mm	Impact,UK	1
13	25.0mm	Impact,UK	1
14	20.0mm	Impact,UK	1
15	19.0mm	Impact,UK	1
16	14.0mm	Impact,UK	1
17	12.5mm	Impact,UK	1
18	10.0mm	Impact,UK	1
19	9.50mm	Impact,UK	1
20	LID FOR SIEVES DIA.300 MM	Impact,UK	1
21	RECEIVER FOR SIEVES DIA.300 MM BS, STAINLESS STEEL, 200MM DIA. SET OF SIEVES with conformity certificate	Impact,UK	1
22	4.75mm	Impact,UK	1
23	2.36mm	Impact,UK	1
24	.850mm	Impact,UK	1
25	.075mm	Impact,UK	1
26	LID FOR SIEVES DIA.200 MM	Impact,UK	1
27	RECEIVER FOR SIEVES DIA.200 MM	Impact,UK	1
28	HOT PLATE ROUND DIA 220MM - 2000 W	Matest, Italy	1
29	MARSHALL MOULD, COMPLETE, ASTM, (WITH MOULD BODY+FILLING COLLAR+BASE PLATE)	Matest, Italy	12
30	EXTRACTION PLATE	Matest, Italy	1

LIST OF LABORATORY EQUIPMENTS

SI NO.	DESCRIPTION	MAKE	QUANTITY
31	Universal Extruder, Hand Operated, actuated by a 5 tons hydraulic jack, it is designed to extrude samples having dia. 4" and 6".. It can therefore extrude Marshall, CBR, Standard and Modified Proctor specimens .	Matest, Italy	1
32	PAN 600X600X80MM GALVANIZED STEEL	Matest, Italy	6
33	PAN 460X460X50MM GALVANIZED STEEL	Matest, Italy	6
34	PAN 306X306X38MM GALVANIZED STEEL	Matest, Italy	6
35	MEASUR. CYLINDER PLASTIC 500 ML	Matest, Italy	2
36	MEASUR. CYLINDER PLASTIC 100 ML	Matest, Italy	2
37	PYKNOMETER 1000 ml Used for the determination of specific gravity and water absorption of sands and fine aggregates. Glass jar with aluminium cone and rubber seal.	Matest, Italy	2
38	SAND ABSORPTION CONE AND TAMPER. Used to determine the specific gravity and water absorption of fine aggregates	Matest, Italy	1
39	TAMPING ROD DIA 16 X 600 MM	Matest, Italy	1
40	FLAKINESS/THICKNESS GAUGE Standard: BS 812 To verify if aggregate is flaky, constructed of heavy gauge stainless steel sheet	Matest, Italy	1
41	LENGTH GAUGE Standard: BS 812 To determine if aggregate is elongated. Mounted on a hardwood base	Matest, Italy	1
42	ELECTRONIC BALANCE 6KG X 0.1G	Citizen	2
43	ELECTRONIC BALANCE 30 KG X 1 GM	Citizen	1
44	DIGITAL CALIPER 150 MM X 0,01 MM	BAKER, GAUGE	1
45	MEASURING TAPE 3 METERS	LOCAL	1
46	LARGE CAPACITY SAMPLE PLITTER - It handles any material from sand sizes up to dia. 108 mm. Each chute bar is 12 mm wide so that openings of 12 - 24 - 36 - 48 - 60 - 72 - 84 - 96 - 108 mm are possible. Complete with two collecting pans. Clam shell hopper: 30 litres capacity. (Accessory separate)	Matest, Italy	1
47	Asphalt content ignition oven (NCAT) make : Thermofischer Test Kit including baskets, trays, cover, handle, cooling cage etc.	CONTROLS ITALY	1
48	Marshall loading frame 50KN capacity, motor operated supplied with 30KN Load ring, including marshall mould and flow meter .	CONTROLS ITALY	1
49	Compaction hammer assembly for marshall stability test, hand operated, conforms to ASTM, NF, CNR.	CONTROLS ITALY	1
50	Specific gravity frame with tank & cradle	CONTROLS ITALY	1

Laboratory Equipment





CERTIFICATE OF CALIBRATION

Certificate No. : GCLC/20178662-01/2017

Request No. : GCLC/RQ/20178662

ISSUED BY : **General Const. Lab**
CALIBRATION L.L.C.

Date of Issue: 20/05/2017

Page 1 of 2

Approved Signatory

☐ John Mathew
(Managing Director)

☐ Meena K
(Technical Manager)



General Const. Lab
CALIBRATION L.L.C.

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Sharjah, United Arab Emirates
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E-Mail : gentech@eim.ae
Website : www.generaltech.ae

Customer Name & Address : ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE

Received Date : At Site

Calibration Date : May 18, 2017

Calibration Due On : May 17, 2018 (as requested by the customer)

Calibrated by : Deepesh Kumar

Description of Balance under test

Type	Electronic Balance	Serial No.	9024013002
Manufacturer	Citizen	Capacity	6 kg
Model	CTG6H	Readability	0.1 g
Temp&Humidity	22 ± 2° C / 50 ± 10% RH	-	-

Test method : GTS/WP-01 (Based on ASTM E898-88(Re-approved 2013))

Description of Reference Equipment Used

Kern Test Weights(1mg-5 kg) (F1), Serial No. G 1634002, Cer. No. G2-401 D-K-19408-01-00/16-12, Cal. Due on 15/12/2019

(Calibrated by DKD Accredited laboratory, traceable to National Metrology Institute (PTB), Germany)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable to international Standards which has been demonstrated to Dubai Accreditation Centre (DAC). It provides traceability of measurement to recognized national/international standards, and to units of measurement realized at the National Physical Laboratory or other recognized standards laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

GCLC is not liable for any damage caused by or resulting from improper or negligent use. The reported calibration results related only to the items calibrated.

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ISSUED BY : **General Const. Lab**
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Observations & Test Results

Settling Time	1.31 Sec	Repeatability	0.015 g
Off Center Error	0.2 g	Hysteresis	0.0 g

As found Reading:

Standard Weight (g)	Instrument Response (g)				Correction g
	Test 1	Test 2	Test 3	Average	
0.0	0.0	0.0	0.0	0.0	0.0
500.0	499.8	499.8	499.8	499.8	0.2
1000.0	999.6	999.6	999.6	999.6	0.4
6000.0	5996.9	5996.9	5996.9	5996.9	3.1

Performance Test

Standard Weight (g)	Instrument Response (g)				Correction (g)	Uncertainty ±g
	Test 1	Test 2	Test 3	Average		
0.0	0.0	0.0	0.0	0.0	0.0	0.000
20.0	20.0	20.0	20.0	20.0	0.0	0.071
50.0	50.0	50.0	50.0	50.0	0.0	0.071
100.0	100.0	100.0	100.0	100.0	0.0	0.071
200.0	200.0	200.0	200.0	200.0	0.0	0.071
500.0	500.0	500.0	500.0	500.0	0.0	0.071
1000.0	1000.0	1000.0	1000.0	1000.0	0.0	0.072
2000.0	2000.0	2000.0	2000.0	2000.0	0.0	0.072
3000.0	3000.0	3000.0	3000.0	3000.0	0.0	0.074
4000.0	4000.0	4000.0	4000.0	4000.0	0.0	0.075
5000.0	5000.0	5000.0	5000.0	5000.0	0.0	0.077
6000.0	6000.0	6000.0	5999.9	6000.0	0.0	0.080

Maximum Deviation: -0.1 g

Uncertainty of Measurement : ± 0.080 g

(Note: Opinion and Interpretation mentioned in this certificate is outside the scope of accreditation.)

*** END OF REPORT ***





CERTIFICATE OF CALIBRATION

Certificate No. : GCLC/20178662-02/2017

Request No. : GCLC/RQ/20178662

ISSUED BY : **General Const. Lab**
CALIBRATION L.L.C.

Date of Issue: 20/05/2017

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Approved Signatory

☐ John Mathew
(Managing Director)

☐ Meena K
(Technical Manager)



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Website : www.generaltech.ae

Customer Name & Address : ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE

Received Date : At Site

Calibration Date : May 18, 2017

Calibration Due On : May 17, 2018 (as requested by the customer)

Calibrated by : Deepesh Kumar

Description of Balance under test

Type	Electronic Balance	Serial No.	9331025020
Manufacturer	Citizen	Capacity	30 kg
Model	CTG 30H	Readability	1 g
Temp&Humidity	22 ± 2° C / 50 ± 10% RH	-	-

Test method : GTS/WP-01 (Based on ASTM E898-88(Re-approved 2013))

Description of Reference Equipment Used

Kern Test Weights(1mg-5 kg) (F1), Serial No. G 1634002, Cer. No. G2-401 D-K-19408-01-00/16-12, Cal. Due on 15/12/2019

(Calibrated by DKD Accredited laboratory, traceable to National Metrology Institute (PTB), Germany)

Kern Test Weight(20 kg) (Class F2) Serial No. 3 Certificate No. CU-600001588, Cal. Due on 4/1/2019

Kern Test Weight(10 kg) (Class F2) Serial No. G 1020772 Certificate No. CU-600001588, Cal. Due on 4/1/2019

(Calibrated by DCL, traceable to International Standards Laboratory through Dubai Accreditation Centre (DAC))

Traceability Statement:

All measuring equipments used for calibration purposes is traceable to international Standards which has been demonstrated to Dubai Accreditation Centre (DAC). It provides traceability of measurement to recognized national/international standards, and to units of measurement realized at the National Physical Laboratory or other recognized standards laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

GCLC is not liable for any damage caused by or resulting from improper or negligent use. The reported calibration results related only to the items calibrated.

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Observations & Test Results

Settling Time	1.4 Sec	Repeatability	0.16 g
Off Center Error	3 g	Hysteresis	0.0 g

As found Reading:

Standard Weight (g)	Instrument Response (g)				Correction g
	Test 1	Test 2	Test 3	Average	
0	0	0	0	0	0
1000	1000	1000	1000	1000	0
5000	5000	5000	5000	5000	0
10000	10000	10000	10000	10000	0

Performance Test

Standard Weight (g)	Instrument Response (g)				Correction (g)	Uncertainty ±g
	Test 1	Test 2	Test 3	Average		
0	0	0	0	0	0	0.00
100	100	100	100	100	0	0.72
200	200	200	200	200	0	0.72
500	500	500	500	500	0	0.72
1000	1000	1000	1000	1000	0	0.72
2000	2000	2000	2000	2000	0	0.72
5000	5000	5000	5000	5000	0	0.72
10000	10000	10000	10000	10000	0	0.75
15000	15000	15000	15000	15000	0	0.76
20000	20000	20000	20000	20000	0	0.81
25000	25000	25000	25000	25000	0	0.82
30000	29999	30000	29999	29999	1	0.91

Maximum Deviation: -1 g

Uncertainty of Measurement : ± 0.91 g

(Note: Opinion and Interpretation mentioned in this certificate is outside the scope of accreditation.)

*** END OF REPORT ***





CERTIFICATE OF CALIBRATION

Certificate No. : GCLC/20178662-03/2017

Request No. : GCLC/RQ/20178662

ISSUED BY : **General Const. Lab**
CALIBRATION L.L.C.

Date of Issue: 20/05/2017

Page 1 of 2

Approved Signatory

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☐ Meena K
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Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE

Received Date At Site

Calibration Date May 18, 2017

Calibration Due On May 17, 2018 (as requested by the customer)

Calibrated by Deepesh Kumar

Description of Instrument under test

Instrument Vacuum Gauge

Manufacturer Unknown

Model 2½" dial size

Asset No. VCG-01

Range 0 to -1 bar

Readability 0.02 bar

UUT Accuracy $\pm 1.6\%$ FS (Class 1.6)

Environmental Conditions

Temperature/Humidity $20 \pm 2^\circ \text{C} / 50 \pm 10\% \text{RH}$

Test equipment used

Druck Digital Pressure Calibrator, Model No.DPI 610, Serial No.61055067, Certificate No. GCLC/2091-14/2016, Cal. due on 25/10/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable to international Standards which has been demonstrated to Dubai Accreditation Centre (DAC). It provides traceability of measurement to recognized national/international standards, and to units of measurement realized at the National Physical Laboratory or other recognized standards laboratory.

Basis of Test : GTS/WP/03 (Based on BS EN 837-1:1998, ISO 3567)

Uncertainty Statement: The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

GCLC is not liable for any damage caused by or resulting from improper or negligent use. The reported calibration results related only to the items calibrated.

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Request No. : GCLC/RQ/20178662

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Date of Issue: 20/05/2017

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As Found Reading

Indicated Value bar	Applied Value bar
-0.20	-0.199
-0.40	-0.398
-0.60	-0.598
-0.80	-0.797
-0.90	-0.897

As Left Reading

Upward			Downward		
Applied bar	Indicated bar	Error bar	Applied bar	Indicated bar	Error bar
0.000	0.00	0.000	-0.797	-0.80	-0.003
-0.199	-0.20	-0.001	-0.598	-0.60	-0.002
-0.398	-0.40	-0.002	-0.398	-0.40	-0.002
-0.598	-0.60	-0.002	-0.199	-0.20	-0.001
-0.797	-0.80	-0.003	0.000	0.00	0.000
-0.897	-0.90	-0.003	-	-	-

Maximum deviation : -0.003 bar

Conversion Factor : 1 bar = 100000 Pa

Uncertainty of Measurement : ± 0.012 bar

(Note: Opinion and Interpretation mentioned in this certificate is outside the scope of accreditation.)

END OF REPORT





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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-01
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Equipment under test

Type Marshall Machine
Manufacturer Controls / Digimax (Indicator)
Model No. 76-B0038/CB
Serial No. 13004357 / 12017320 (Transducer)
Capacity 50 kN / 25 mm (Transducer)
Readability 0.001 kN / 0.001 mm

Environmental Conditions

Temperature & Humidity $22 \pm 2^{\circ} \text{C}$ / $50 \pm 10\% \text{RH}$

Standard Adopted BS EN ISO 7500 Part1:2004

Reference eqpt. used

Proving Device Serial No. 1253 - 1083 DCL Certificate No. 2015058039

(Calibrated by DCL, traceable to International Standards Laboratory through Dubai Accreditation Centre (DAC))

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Calibrated by : Deepesh Kumar

John Mathew

Approved by : John Mathew

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Certificate Number

GCLC/2017-03511-01

Calibration Date

May 18, 2017

Calibration Result

Applied Load kN	Indicated Load - kN				Error %
	Test 1	Test 2	Test 3	Average	
0.00	0.000	0.000	0.000	0.000	0.000
5.00	4.985	4.985	4.985	4.985	-0.300
10.00	9.980	9.980	9.980	9.980	-0.200
15.00	14.977	14.977	14.977	14.977	-0.153
20.00	19.970	19.970	19.970	19.970	-0.150
25.00	24.965	24.965	24.965	24.965	-0.140
30.00	29.960	29.960	29.960	29.960	-0.133
35.00	34.935	34.935	34.935	34.935	-0.186
40.00	39.895	39.895	39.895	39.895	-0.262
45.00	44.886	44.886	44.886	44.886	-0.253

Displacement Transducer:

Applied Value (mm)	Indicated Value (mm)	Deviation (mm)
0.000	0.000	0.000
0.500	0.500	0.000
1.000	1.000	0.000
2.000	2.000	0.000
4.000	4.000	0.000
5.000	5.000	0.000
10.000	10.000	0.000
15.000	15.000	0.000
20.000	20.000	0.000
25.000	25.000	0.000

*** END OF REPORT ***



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Website : www.generaltech.ae**CERTIFICATE OF CALIBRATION**

Certificate Number GCLC/2017-03511-02
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Calibration Due On May 17, 2018

Description of Instrument under Calibration

Type Drying Oven
 Manufacturer Calor Instruments
 Model LDR-SO-225
 Serial No. LDR-SO-225-AEL-104
 Range 40 to 200°C
 Readability 0.1° C

Environmental Conditions

Temperature & Humidity 22±2° C / 55±10% RH

Work Procedure : GTS/WP/09**Test Equipment used**

Centre Digital Thermometer, Serial No. 121200408, Cert. No. GCLC/2087-16/2016

(Caltd by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.


Uncertainty Statement: The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

Calibration Result

Set Value (° C)	Indicated Value (° C)	Measured Value (° C)	Deviation (° C)
75.0	75.0	74.9	-0.1
100.0	100.0	99.8	-0.2
150.0	150.0	149.6	-0.4
175.0	175.0	174.4	-0.6

Maximum Deviation : -0.6° C

Uncertainty of Measurement : ±0.16° C


 Calibrated by : Deepesh Kumar


 Approved by: John Mathew

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Website : www.generaltech.ae**CERTIFICATE OF CALIBRATION**

Certificate Number GCLC/2017-03511-03
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of equipment under test

Type Water Bath
 Manufacturer Matest
 Model No. B052-01
 Serial No. B 052-01/AD/0014
 Calibrated Range 35 to 60°C
 Readability 0.1°C
 Environmental Conditions
 Temperature/Humidity 22±2° C / 55±10% RH

Work Procedure : GTS/WP/10**Test equipment used**

Centre Digital Thermometer, Serial No. 121200408, Cert. No. GCLC/2087-16/2016

(Caltd by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Traceability Statement:

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Uncertainty Statement: The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

Calibration Result

Indicated Value (° C)	Measured Value (° C)	Deviation (° C)
35.0	34.9	-0.1
60.0	59.9	-0.1

Uncertainty of Measurement : ±0.16° C

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Website : www.generalltech.ae

CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-04
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Calibration Due On May 17, 2018

Description of Instrument under Calibration

Type Drying Oven
 Manufacturer Calor Instruments
 Model LDR-SO-225
 Serial No. LDR-SO-225-AGA-164
 Range 40 to 200°C
 Readability 0.1° C

Environmental Conditions

Temperature & Humidity 22±2° C / 55±10% RH

Work Procedure : GTS/WP/09**Test Equipment used**

Centre Digital Thermometer, Serial No. 121200408, Cert. No. GCLC/2087-16/2016

(Caltd by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement: The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

Calibration Result

Set Value (° C)	Indicated Value (° C)	Measured Value (° C)	Deviation (° C)
75.0	75.0	74.9	-0.1
100.0	100.0	99.7	-0.3
150.0	150.0	149.5	-0.5
175.0	175.0	174.3	-0.7

Maximum Deviation : -0.7° C

Uncertainty of Measurement : ±0.16° C

Calibrated by : Deepesh Kumar

John Mathew

Approved by: John Mathew

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-05
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Equipment under test

Ignition Oven		Electronic Balance	
Type	Asphalt Content Tester	Make	Thermolyne Scientific
Manufacturer	Unknown	Model	F 85930-33
Model	F 85930-33	Capacity	10000 g
Calibrated Temperature	200 to 800°C	Readability	0.1 g
Readability	1°C	Serial No.	0116273501150820

Environmental Conditions

Temperature & Humidity $22 \pm 2^\circ \text{C} / 55 \pm 10\% \text{RH}$

Work Procedure : GTS/WP/01 & 09

Test Equipment used

Kern Test Weights (1mg-5 kg) (F1), Serial No. G 1634002, Cer. No. G2-401 D-K-19408-01-00/16-12

(Calibrated by DKD accredited laboratory, traceable to National Metrology Institute (PTB), Germany)

Centre Digital Thermometer, Serial No. 090900082, Cert. No. GCLC/2087-12/2016

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number

GCLC/2017-03511-05

Calibration Date

May 18, 2017

Calibration Result

Electronic Balance			Ignition Oven		
Standard Weight	Indicated	Deviation	Setting	Measured Temp	Deviation
g	g	g	° C	° C	° C
200.0	199.8	-0.2	0	0.0	0.0
300.0	299.2	-0.8	100	100.0	0.0
400.0	398.9	-1.1	200	200.0	0.0
500.0	498.2	-1.8	500	500.0	0.0
700.0	697.5	-2.5	1000	1000.0	0.0
800.0	796.9	-3.1	2000	2000.0	0.0
-	-	-	4000	4000.0	0.0
-	-	-	6000	6000.0	0.0
-	-	-	8000	8000.0	0.0
-	-	-	10000	10000.1	0.1
-	-	-	-	-	-
Maximum deviation : -3.1 g			Maximum deviation : 0.1° C		

Uncertainty of Measurement at 10000 g: ± 0.06 g

*** END OF REPORT ***



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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-06
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Impact	0398826	12.5 mm	12.489 - 12.504	Steel	S/Steel	ISO 3310-2

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-07
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120625	37.5 mm	37.497 - 37.503	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-08
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental Conditions

Temperature & Humidity 22±2°C & 55±10% RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120715	28.00 mm	27.995 - 28.003	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ±0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-09
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^{\circ}\text{C}$ & $55 \pm 10\%$ RH**Work Procedure: GTS/WP/43****Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	808087	6.30 mm	6.289 - 6.312	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-10
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental Conditions

Temperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15071634	9.50 mm	9.479 - 9.516	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-11
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 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure:** GTS/WP/43**Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120633	10.00 mm	9.982 - 10.026	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-12
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure:** GTS/WP/43**Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15071554	25.0 mm	24.989 - 25.005	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-13
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure:** GTS/WP/43**Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15111456	19.00 mm	18.992 - 19.009	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-14
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental Conditions

Temperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120650	14.00 mm	13.989 - 14.009	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-15
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental Conditions

Temperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade 'O') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120604	20.00 mm	19.995 - 20.021	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-16
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure: GTS/WP/43****Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120689	50.00 mm	49.989 - 50.026	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.01 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-17
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
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 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure:** GTS/WP/43**Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

All measuring equipments used for calibration purposes is traceable back to international/national Standards through UKAS or other recognized accreditation bodies which provides traceability of measurement to National Physical Laboratory or other recognized standards Laboratory.

Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120787	2.36 mm	2.302 - 2.365	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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P.O.Box 25898 Sharjah
United Arab EmiratesPhone : 06-5436933
Fax : 06-5437077
E-mail : gentech@eim.ae
Website : www.generaltech.ae**CERTIFICATE OF CALIBRATION**

Certificate Number GCLC/2017-03511-18
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure:** GTS/WP/43**Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

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Uncertainty Statement: -The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120863	4.75 mm	4.709 - 4.759	M/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-19
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure: GTS/WP/43****Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	16040181	180 μm	0.176 - 0.185	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

Calibrated by : Deepesh Kumar

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-20
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental Conditions

Temperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	16050741	425 μm	0.419 - 0.429	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

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Approved by : John Mathew

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Certificate Number GCLC/2017-03511-21
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure: GTS/WP/43****Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade 'O') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15080252	850 μm	0.812 - 0.845	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

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Approved by : John Mathew

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Certificate Number GCLC/2017-03511-22
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure: GTS/WP/43****Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	15120748	75 μm	0.070 - 0.079	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

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Certificate Number GCLC/2017-03511-23
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure: GTS/WP/43****Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade 'O') ID No. 1501182 Certificate No. 129993

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	14082000	300 μm	0.289 - 0.312	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

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CERTIFICATE OF CALIBRATION

Certificate Number GCLC/2017-03511-24
Calibration Request No. GCLC/RQ/2017-03511
Received Date At Site
Date of Issue May 20, 2017
Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
Calibration Date May 18, 2017
Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental Conditions

Temperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH

Work Procedure: GTS/WP/43

Reference equipments used:

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

(Calibrated by UKAS Accredited laboratory, traceable to National Physical Laboratory (NPL), U.K.)

Traceability Statement:

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Uncertainty Statement:-The uncertainty reported is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	14082008	1.18 mm	1.176 - 1.189	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

Calibrated by : Deepesh Kumar

Approved by : John Mathew

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Certificate Number GCLC/2017-03511-25
 Calibration Request No. GCLC/RQ/2017-03511
 Received Date At Site
 Date of Issue May 20, 2017
 Customer Name & Address ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE
 Calibration Date May 18, 2017
 Recommended Due on May 17, 2018

Description of Instrument under Calibration

Description Test Sieves

Environmental ConditionsTemperature & Humidity $22 \pm 2^\circ\text{C}$ & $55 \pm 10\%$ RH**Work Procedure:** GTS/WP/43**Reference equipments used:**

Mitutoyo Digital Caliper, Serial No.1080445, Certificate No. GCLC/2096-02/2017

(Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre)

Mitutoyo Gauge Blocks Set (Grade '0') ID No. 1501182 Certificate No. 129993

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Calibration Results

This Sieve has been dimensionally and physically inspected and was found to comply to B.S 410 / ISO 3310-1 Specifications.

Manufacturer	Instrument Serial No.	Aperture Size	Sieve Dimension (mm)	Mesh Material	Body Material	Standard As Per Manufacturer
Glenammer	809381	3.35 mm	3.325 - 3.359	S/Steel	S/Steel	BS / ISO 3310

*Uncertainty of Measurement : ± 0.0006 mm

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Approved by : John Mathew

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