



# Delta Coat Industries L.L.C

P.O. Box:13049, Ajman-U.A.E., Tel: +971-6-7431165, Fax: +971-6-7430145  
Email: [info@deltacoat.ae](mailto:info@deltacoat.ae) - [www.deltacoat.ae](http://www.deltacoat.ae)



Middle East



## ***DELTA COAT INDUSTRIES LLC***

### **PRE-QUALIFICATION DOCUMENT**

**Complete Range of Surface Coating**

- Galvanizing
- Powder Coating



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## **INTRODUCTION**

### **Galvanizing & Powder coating**

DELTA COAT INDUSTRIES LLC is a full-service metal finisher, specializing in providing quality Hot Dip Galvanizing & Powder coating to extend the Service life and visual appeal of products of all shapes and sizes. The Raw materials used for producing these are, highest of its kind with core machinery from Europe.

We are backed by a team of dedicated professionals who excel hard to achieve the desired results.

If you are looking for durability and aesthetic appeal to set your product apart from competition DELTA COAT INDUSTRIES is the solution.

### **"QUALITY BEYOND EXPECTATIONS"**

Our dedicated quality team inspects all stages of process to achieve the quality standards requested by the customer in line with the International Codes, as one U.A.E's leading ISO 9001:2015 Galvanizing & Powder Coating Company, DELTA COAT INDUSTRIES L.L.C is one source for all your surface finish and coating requirements.

### **Complete Range of Surface Coating**

- Galvanizing • Powder Coating



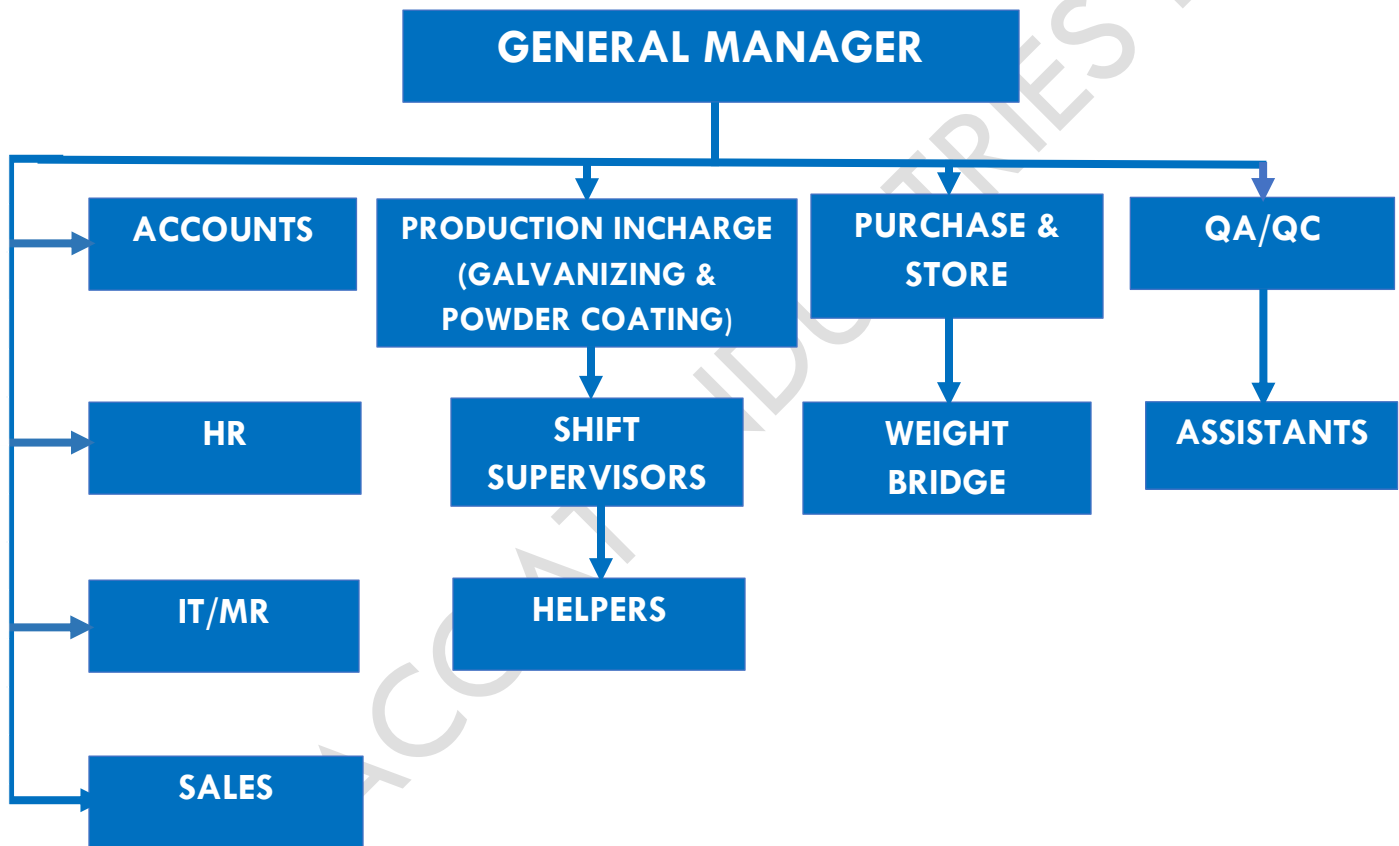
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## ORGANIZATION CHART



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## LIST OF MANPOWER

|                      |     |
|----------------------|-----|
| 1. ADMINISTRATION    | :04 |
| 2. OPERATION MANAGER | :01 |
| 3. QA/QC INSPECTOR   | :03 |
| 4. SUPERVISOR        | :06 |
| 5. ELECTRICIAN       | :01 |
| 6. DRIVERS           | :02 |
| 7. GENERAL WORKERS   | :55 |

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## **PROCEDURE-HOT DIP GALVANIZING**

### **SCOPE:**

Hot Dip Galvanizing is a process in which steel or cast-iron components are protected against corrosion by a zinc coating applied by dipping them in a bath of molten zinc.

The following points should be considered before Galvanizing.

1. Design & construction should be suitable for Galvanizing.
2. Maximum dimensions must take account of the size of galvanizing Kettle.
3. Maximum Weight must be considered for transporting & handling.
4. Suitable steel must be taken.

### **REFERENCE DOCUMENTS**

ASTM A 123

BS EN ISO 1461

### **STAGES**

1. Degreasing & Surface Blasting
- 2 Pickling
- 3 Rinsing
4. Flux Treatment
5. Drying
6. Galvanizing
7. Quenching/Cooling
8. Inspection

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## **Degreasing:**

Degreasing is the process of cleaning Grease Oil from the material to be galvanized. Aqueous alkaline or acidic degreasing agents are usually employed.

## **Pickling:**

The surface must be cleaned prior to galvanizing. Pickling removes rust and scale which are the most common products contaminating the surface of steel fabrications.

Pickling is usually done in dilute hydrochloric acid (8-15%). The pickling time depends on the degree of rust on the article.

## **Rinsing:**

After chemical cleaning by pickling, the material is again washed in a water bath to minimize the transfer of any acid residue to the next stage. Soft water is used for this. The water quality used in the whole process shall be de-ionized water.

## **Flux Treatment:**

The application of flux immediately follows the pickling and rinsing stages. Flux serves to remove any remaining traces of impurities and provides a final intensive cleaning of the steel surface. It serves to increase the wettability of the surface of the steel to the Molten Zinc. The flux usually consists of an aqueous solution of chlorides, principally a mixture of zinc chloride and ammonium chloride, material to be galvanized will be dipped into it.

## **Drying:**

After immersion in the flux tank, the material for galvanizing is dried and becomes coated with a thin film flux. The waste gases from the furnace are generally used for heating drying ovens.

## **Galvanizing**

The galvanizing operation takes place in a bath of molten zinc. The temperature of molten zinc is controlled at range of 440°C - 450°C

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## **Zinc Used: Zinc SHG-99.995 % Confirming to ASTM B6 SHG**

The galvanizing process causes the formation of a coating consisting of layers of Zinc Iron alloy caused by the reaction of zinc and steel.

Sampling will be done if the coating achieved is less, it is dipped more time in Zinc Kettle to

Achieve required microns DFT average coating as per standard and the same dipping time will be followed during the galvanizing process Aluminium added to the bath shall never be more than 0.15%.

Based on the size of the material. it is dipped either vertical or inclined Lower width material will be dipped vertically and wider ones horizontally inclined. Time, the material to

be kept in the bath shall be calculated and recorded in the report prior to material loading.

## **Quenching Cooling:**

The Galvanized steel, which by now is very hot, is either left to cool in the air or is immersed in a quenching bath.

## **Inspection:**

Galvanized surfaces shall be free from nodules, blisters, roughness, uncoated areas, and sharp points. Minimum 5 magnetic test readings shall be taken on 1000 sq. mm of coated areas DFT measured shall be as per the required standards. Crosshatch tests shall be carried out on the galvanizing surface when required.

## **Dispatch**

If the material processed meets the quality requirements, it will be ready for dispatch.

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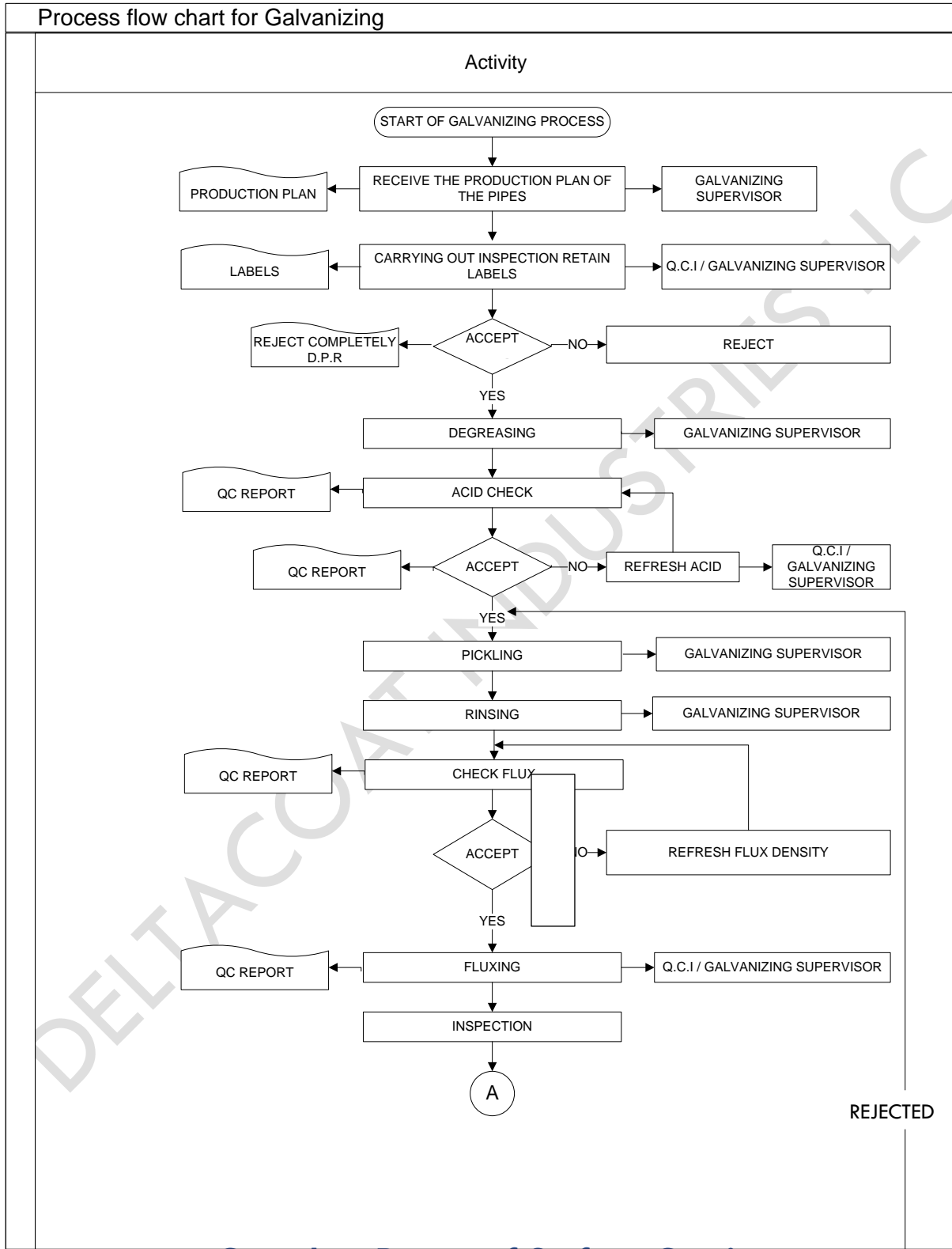
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## Process flow chart for Galvanizing



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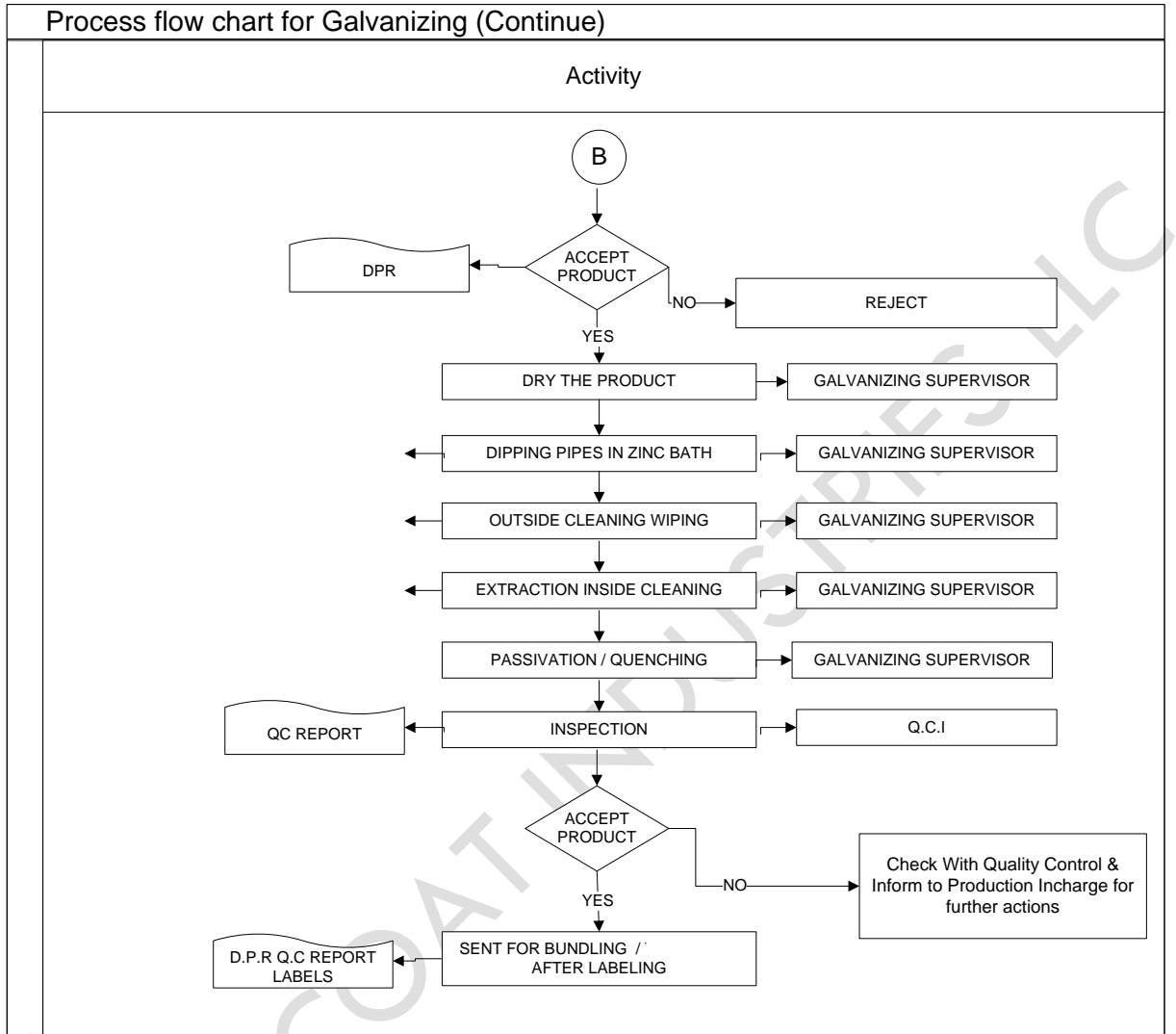
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## Process flow chart for Galvanizing (Continue)



### TANK DIMENSIONS:

- ❖ LENGTH - 6.5 METER'S
- ❖ WIDTH - 1.2 METER'S
- ❖ HEIGHT - 2 METER'S

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## COMPANY LICENSE

حكومة عجمان  
Government of Ajman

دائرة التنمية الاقتصادية  
Department of Economic Development



### Industrial License / رخصة صناعية

Regular License - رخصة عادية

License No. 39258 رقم الرخصة

ACCI No. 35729 رقم الفرقة

Register No. 29018 رقم السجل التجاري

| License Details                          | Renew License / تجديد رخصة | تفاصيل الرخصة                                  |
|--|----------------------------|--|
| Trade Name (DELTA COAT INDUSTRIES (L.L.C |                            | الاسم التجاري دلتا لصناعة تكسية الحديد (ذ.م.م) |
| Legal Form Limited Liability Company     |                            | الشكل القانوني شركة ذات مسؤولية محدودة         |
| Expire Date 2025-02-11 تاريخ الانتهاء    |                            | Issue Date 2005-01-18 تاريخ الاصدار            |

| Passport / رقم الجواز | Nationality / الجنسية | Manager Name / اسم المدير                         |
|-----------------------|-----------------------|---|
| Z3532612              | الهند<br>India        | اجي جاكوب پاراما بوزيل<br>AJI JACOB PARAMPUZHAYIL |

| Activites              | الانشطة                |
|------------------------|------------------------|
| Metal Products Coating | طلاء المنتجات المعدنية |

| صندوق البريد<br>P.O. Box | تاريخ انتهاء عقد الإيجار<br>Contract Expiry Date | اسم المؤجر / Lessor                 | العنوان / Address   |
|--------------------------|--|-------------------------------------|---|
| 13049                    | 2027-02-24                                       | خليفة عيسى عبدالرحمن الجرمي النعيمي | معرض رقم 1، عجمان الصناعية 1<br>Exhibition-Showroom No. 1, Ajman Industrial 1 |

| Emp No. رقم الموظف | Voucher Date. تاريخ الايصال | Voucher No. 30110960 رقم الايصال |
|--------------------|-----------------------------|----------------------------------|
|                    | 2024-02-01                  |                                  |

Print Date 2024-02-01 تاريخ الطباعة

وثيقة إلكترونية ممتدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية - عجمان. لمراجعة صحة البيانات الواردة في الرخصة يمكنك مسح الباركود  
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## Complete Range of Surface Coating

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## ISO CERTIFICATE

شهادة  
◆ CERTIFICADO  
◆ CERTIFIKAT  
◆ 認證證書  
◆ ZERTIFIKAT  
◆ CERTIFICATE



# CERTIFICATE

The Certification Body  
of TÜV SÜD Middle East L.L.C.  
certifies that



**DELTA COAT INDUSTRIES L.L.C**  
Ajman Industrial Area,  
Ajman, United Arab Emirates

has established and applies  
a Quality Management System for

**Galvanizing of Steel Materials and Powder  
Coating of Steel & Aluminium Materials.**  
(Category: NACE 25.50, NACE 25.6, NACE 25.9)

An audit was performed, Report No. **50007**  
Proof has been furnished that the requirements  
according to

**ISO 9001:2015**

are fulfilled.

The certificate is valid from **2023-03-06** until **2026-02-06**  
Certificate Registration No. **ME 9K 0361-02 EIAC**

Dubai, 2023-03-06

DA  
BAA4 006319

TÜV SÜD Middle East L.L.C., P.O. Box: 2834, Empire Heights Tower A, Business Bay, Dubai, United Arab Emirates

TÜV®

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## QUALITY STATEMENT



**Delta Coat Industries L.L.C**

### Quality Policy

Delta Coat Industries L.L.C. is engaged in **Galvanizing of Steel Materials** and has a vision to be synonymous with professionalism and innovation together with faultless and safe project delivery in every operational area.

A key way to achieve this is by operating a Quality Management System (QMS) in accordance with the requirements of ISO 9001: 2015.

Top management is committed to:

- Satisfying applicable requirements by ensuring that customer and applicable statutory and regulatory requirements are determined, understood and consistently met.
- Continual improvement of the QMS by ensuring the risks and opportunities that can affect conformity of products and services and the ability to enhance customer satisfaction are determined and addressed and the focus on enhancing customer satisfaction is maintained.

Top management shall:

- Take accountability for the effectiveness of the QMS.
- Ensure the quality policy and quality objectives are established for the QMS and are compatible with the context and strategic direction of the Company. Quality objectives have been set and are maintained as part of the QMS internal auditing, monitoring and management review processes, in order to enhance customer satisfaction.
- Promote the use of a process approach and risk-based thinking.
- Ensure that the resources needed for the QMS are available; including training, support and encouragement.
- Communicate the importance of effective quality management and of conforming to the QMS requirements.
- Ensuring that the QMS achieves its intended results.
- Engage, direct and support persons to contribute to the effectiveness of the QMS.
- Promote improvement.
- Support other relevant management roles to demonstrate their leadership as it applies to their areas of responsibility.
- Establish partnerships with suppliers and interested parties to provide an improved service.

The management ensures that the Quality Policy is communicated and understood to all employees and is available to relevant interested parties. Management reviews the Quality Policy, quality objectives in management review meeting.

  
General Manager  
Date. 01.07.2018

Doc. No: -DC-ANX-01/Rev.No.01/Issue Date.01.07.2018/Page 1 of 1

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## **SAFETY STATEMENT**

|   |   |                           |                        |  |
|---|---|---------------------------|------------------------|--|
|  | <b>HEALTH, SAFETY<br/>AND<br/>ENVIRONMENTAL<br/>MANAGEMENT<br/>SYSTEM</b> | Doc. No.                  | DC/HSE/2019/RECORDS/00 |  |
|   |   | Issue Date:<br>30.06.2019 | Rev. Date:             |  |
|   |   | Prepared by               | QHSE head              |  |
|   |   | Approved by               | Executive director     |  |

### HSE POLICY

DELTACOAT INDUSTRIES L.L.C is fully committed to continual improvement to enhance our HSE performance, through constant review, in order to provide an effectively controlled environmental management system and service. This HSE Policy Statement is applicable to all areas of our business and has been implemented to meet the requirements of the OHSAS 18001:2007 and ISO 14001:2015. It is our Policy to:

- Comply with all pertinent environmental and safety laws, rules and regulations, not just because it is legally required, but also because we believe it is the responsible way to conduct our business.
- Set HSE targets and goals annually to measure our performance, to achieve superior results and to continually improve.
- Monitor, revise and reemploy safety systems and environmental assessments on a regular basis.
- Provide education and training to our employees for them to have the knowledge, skills, and understanding to perform their responsibilities and duties at the highest level.
- Routinely review and verify performance with audits, evaluations and other quality assurance and quality control methods.
- Empower and expect employees and contractors to promptly report noncompliance or unsafe conditions and to take immediate action to prevent injuries or environmental accidents.
- Provide relevant safety and health information to contractors and require them to provide proper training for the safe, environmentally sound performance of their work.
- Communicate our commitment to this policy to our interested parties.

As a condition of employment, all employees are required to comply with all safety- and environmental-related rules and regulations. Each employee understands that they are individually responsible for their own safety and the safety of those around them. All our employees have been briefed and are fully aware of our HSE Policy. We will, always, comply with regulations, legislation, codes of practice and other requirements associated with the Company and its' operations.

P.A. Jacob  
Executive Director

SIGNED: -  - DATE: - 30.06.2019

DC/HSE/2019/RECORD/01/00

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## CALIBRATION CERTIFICATES OF TESTING & MEASURING INSTRUMENTS

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## سكياس الدولية لاجهزة الوزن (ذ.م.م.) SCALES UNIVERSAL WEIGHT EQUIP. L.L.C.

Complete Range of Industrial Electronic Weighing Systems & Automation

Tax Registration Number (TRN) 100020400600003

**Delta Coat Industries LLC**  
Tel : 06-7431165  
Fax : 06-7430145  
Ajman, U.A.E

**Certificate No: 29012024DCB**  
**Dated : 29-01-2024**

### CALIBRATION CERTIFICATE

This is to certify that the following mentioned equipment has been calibrated using standard test weights which are calibrated against certified weights traceable to Dubai Municipality, Calibration no. CU-600005466.

**Equipment Type : Electronic Weighbridge**  
**Capacity : 30 Ton**  
**Division : 05 kg**

**Make : Cardinal-USA**  
**Model : 225**

**Date of Calibration : 29<sup>th</sup> January, 2024**  
**Next Calibration Due : 28<sup>th</sup> July, 2024**

| Sl. No. | Before Calibration |           |             | Diff. | After Calibration |      |
|---------|--------------------|-----------|-------------|-------|-------------------|------|
|         | Actual Weight.     | Accum .Wt | Observation |       | Observation       | Diff |
| WS-1    | 1000 kg            | 1000 kg   | 1000 kg     | Nil   | 1000 kg           | Nil  |
| WS-2    | 1000 kg            | 2000 kg   | 2000 kg     | Nil   | 2000 kg           | Nil  |
| WS-3    | 1000 kg            | 3000 kg   | 3000 kg     | Nil   | 3000 kg           | Nil  |
| WS-4    | 1000 kg            | 4000 kg   | 4000 kg     | Nil   | 4000 kg           | Nil  |
| WS-5    | 1000 kg            | 5000 kg   | 5000 kg     | Nil   | 5000 kg           | Nil  |
| WS-6    | 1000 kg            | 6000 kg   | 6000 kg     | Nil   | 6000 kg           | Nil  |
| WS-7    | 1000 kg            | 7000 kg   | 7000 kg     | Nil   | 7000 kg           | Nil  |
| WS-8    | 1000 kg            | 8000 kg   | 8000 kg     | Nil   | 8000 kg           | Nil  |
| WS-9    | 1000 kg            | 9000 kg   | 9000 kg     | Nil   | 9000 kg           | Nil  |
| WS-10   | 1000 kg            | 10000 kg  | 10000 kg    | Nil   | 10000 kg          | Nil  |
| WS-11   | 1000 kg            | 11000 kg  | 11000 kg    | Nil   | 11000 kg          | Nil  |
| WS-12   | 1000 kg            | 12000 kg  | 12005 kg    | +5 kg | 12000 kg          | Nil  |

This certificate is valid for not more than 06 months from the date of calibration: the validity is subject to the equipment maintained in good condition and does not become defective. In the event the equipment becomes defective the certificate becomes invalid.

**Remarks: Equipment readings found to be within the acceptable tolerance value.**

**For SCALES UNIVERSAL WEIGHT EQUIPMENT L.L.C.**



### Service Department.

Tel. : +971-6-5322313 , Fax : +971-6-5321936  
Tel. : +971-6-7484466 , Fax : +971-6-7437069  
P. O. Box : 23215, Sharjah-United Arab Emirates  
E-mail : universe@emirates.net.ae



هاتف : +971-6-5322313 ، فاكس : +971-6-5321936  
هاتف : +971-6-7484466 ، فاكس : +971-6-7437069  
ص. ب : 23215، الشارقة - الإمارات العربية المتحدة  
الموقع : www.universalscales.com

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ELCOMETER L.L.C  
PO Box 33358  
Dubai, United Arab Emirates

## Calibration Certificate

**Customer Reference:** DELTA COAT INDUSTRIES LLC

**Certificate Number:** 456-TK11457-G-EL4695

**Instrument Part Number:** A456CFNFBS **Instrument Type:** Elcometer 456 Model B Dual FNF Separate

**Instrument Serial Number:** TK11457 **Instrument PCB Serial Number:** TG09046-000

**Issue Date:** 22/01/2024 **Latest Recommended Due Date:** 21/01/2025

The equipment used to measure Elcometer foils together with their traceability to National Standards is listed below:

| UKAS Certificate | NIST Certificate | Test Equipment Serial Number | Description        |
|------------------|------------------|------------------------------|--------------------|
| 12113            | 1177             | QA00632                      | Set of Slip Gauges |
| 12141            | 1178             | QA00899                      | Set of Slip Gauges |

### Measurement Results: Ferrous

| Foil / Substrate <sup>1</sup> |       |                            | Actual Measured Value <sup>1</sup> |       | Allowable Value <sup>1</sup> |                 |               | Result |
|-------------------------------|-------|----------------------------|------------------------------------|-------|------------------------------|-----------------|---------------|--------|
| Value                         |       | Serial Number <sup>2</sup> | µm                                 | mils  | ±1%                          | µm              | mils          |        |
| µm                            | mils  |                            |                                    |       |                              |                 |               |        |
| 1480.0                        | 58.27 | YE11767                    | 1481.9                             | 58.34 | ±1%                          | 1465.2 - 1494.8 | 57.69 - 58.85 | Pass   |
| 751.0                         | 29.57 | YE11745                    | 752.2                              | 29.61 | ±3%                          | 728.5 - 773.5   | 28.68 - 30.45 | Pass   |
| 245.4                         | 9.66  | YE11732                    | 246.2                              | 9.69  | ±3%                          | 238.1 - 252.7   | 9.37 - 9.94   | Pass   |
| 50.6                          | 1.99  | YE11704                    | 51.9                               | 2.04  | ±3%                          | 49.0 - 52.1     | 1.92 - 2.05   | Pass   |
| 0.0                           | 0.00  | RE04326                    | -0.2                               | -0.01 | ±1µm                         | -1.0 - 1.0      | -0.04 - 0.04  | Pass   |

### Measurement Results: Non-Ferrous

| Foil / Substrate <sup>1</sup> |       |                            | Actual Measured Value <sup>1</sup> |       | Allowable Value <sup>1</sup> |                 |               | Result |
|-------------------------------|-------|----------------------------|------------------------------------|-------|------------------------------|-----------------|---------------|--------|
| Value                         |       | Serial Number <sup>2</sup> | µm                                 | mils  | ±1%                          | µm              | mils          |        |
| µm                            | mils  |                            |                                    |       |                              |                 |               |        |
| 1480.0                        | 58.27 | YE11767                    | 1481.2                             | 58.1  | ±1%                          | 1465.2 - 1494.8 | 57.69 - 58.85 | Pass   |
| 751.0                         | 29.57 | YE11745                    | 752.5                              | 29.62 | ±3%                          | 728.5 - 773.5   | 28.68 - 30.45 | Pass   |
| 245.4                         | 9.66  | YE11732                    | 246.0                              | 9.68  | ±3%                          | 238.1 - 252.7   | 9.37 - 9.94   | Pass   |
| 50.6                          | 1.99  | YE11704                    | 51.7                               | 2.03  | ±3%                          | 49.0 - 52.1     | 1.92 - 2.05   | Pass   |
| 0.0                           | 0.00  | MH09867                    | 0.2                                | 0.01  | ±1µm                         | -1.0 - 1.0      | -0.04 - 0.04  | Pass   |

|  |      |
|--|------|
| Setup & Test Dynamic Range (Ferrous & Non-Ferrous) | Pass |
| Setup & Test Lookup Table (Ferrous & Non-Ferrous)  | Pass |
| Performance Verification Test                      | Pass |

The instrument was calibrated using factory reference probe Serial Number TM20111, using a smooth calibration, with the factory zero plate and the thickest certified foil listed below in accordance with Elcometer's Certification Procedure.

\* Elcometer recommends minimum frequency for certification to be performed every 12 months and / or as per the company's ISO or stated procedure

Name:

Harish Gowda

<sup>1</sup> Measurements taken in microns, mils values are calculated using 1µm = 0.03937mil

<sup>2</sup> Certificate Number: 57550, 57550



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PO Box 33358

Dubai, United Arab Emirates

## Calibration Certificate

**Customer Reference:** DELTA COAT INDUSTRIES LLC

**Certificate Number:** 456-VJ27278-EL4696

**Probe Part Number:** T456CF1S

**Probe Type:** Elcometer 456 Ferrous Probe:  
Straight; Scale 1: 0-1500µm/0-60mils

**Probe Serial Number:** VJ27278

**Issue Date:** 22/01/2024

**Latest Recommended Due Date:** 21/01/2025

The equipment used to measure Elcometer foils together with their traceability to National Standards is listed below:

| UKAS Certificate | NIST Certificate | Test Equipment Serial Number | Description        |
|------------------|------------------|------------------------------|--------------------|
| 12113            | 1177             | QA00632                      | Set of Slip Gauges |
| 12141            | 1178             | QA00899                      | Set of Slip Gauges |

### Measurement Results: Ferrous

| Foil / Substrate <sup>1</sup> |       | Serial Number <sup>2</sup> | Actual Measured Value <sup>1</sup> |       | Allowable Value <sup>1</sup> |                 |               | Result |
|-------------------------------|-------|----------------------------|------------------------------------|-------|------------------------------|-----------------|---------------|--------|
| Value                         |       |                            | µm                                 | mils  |                              | µm              | mils          |        |
| µm                            | mils  |                            |                                    |       |                              |                 |               |        |
| 1480.0                        | 58.27 | YE11767                    | 1478.0                             | 58.19 | ±1%                          | 1465.2 - 1494.8 | 57.69 - 58.85 | Pass   |
| 751.0                         | 29.57 | YE11745                    | 752.7                              | 29.63 | ±3%                          | 728.5 - 773.5   | 28.68 - 30.45 | Pass   |
| 245.4                         | 9.66  | YE11732                    | 246.2                              | 9.69  | ±3%                          | 238.1 - 252.7   | 9.37 - 9.94   | Pass   |
| 50.6                          | 1.99  | YE11704                    | 51.6                               | 2.03  | ±3%                          | 49.0 - 52.1     | 1.92 - 2.05   | Pass   |
| 0.0                           | 0.00  | RE04326                    | 0.3                                | 0.01  | ±1µm                         | -1.0 - 1.0      | -0.04 - 0.04  | Pass   |

|                                      |      |
|--------------------------------------|------|
| Setup & Test Dynamic Range (Ferrous) | Pass |
| Setup & Test Lookup Table (Ferrous)  | Pass |
| Performance Verification Test        | Pass |

The probe was calibrated using factory reference gauge Serial Number TB19326, using a smooth calibration, with the factory zero plate and the thickest certified foil listed below in accordance with Elcometer's Certification Procedure.

\* Elcometer recommends minimum frequency for certification to be performed every 12 months and / or as per the company's ISO or stated procedure



Name:

Harish Gowda

<sup>1</sup> Measurements taken in microns, mils values are calculated using 1µm = 0.03937mil

<sup>2</sup> Certificate Number: 57550



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Dubai, United Arab Emirates

## Calibration Certificate

**Customer Reference:** DELTA COAT INDUSTRIES LLC

**Certificate Number:** 456-XB30148-G-EL4461

**Instrument Part Number:** A456CFBS **Instrument Type:** Elcometer 456 Model B Ferrous Separate

**Instrument Serial Number:** XB30148 **Instrument PCB Serial Number:** XG11543-000

**Issue Date:** 23/10/2023 **Latest Recommended Due Date:** 22/10/2024

The equipment used to measure Elcometer foils together with their traceability to National Standards is listed below:

| UKAS Certificate | NIST Certificate | Test Equipment Serial Number | Description        |
|------------------|------------------|------------------------------|--------------------|
| 12113            | 1177             | QA00632                      | Set of Slip Gauges |
| 12141            | 1178             | QA00899                      | Set of Slip Gauges |

### Measurement Results: Ferrous

| Foil / Substrate <sup>1</sup> |       |                            | Actual Measured Value <sup>1</sup> |       | Allowable Value <sup>1</sup> |                 |               | Result |
|-------------------------------|-------|----------------------------|------------------------------------|-------|------------------------------|-----------------|---------------|--------|
| Value                         |       | Serial Number <sup>2</sup> | µm                                 | mils  |                              | µm              | mils          |        |
| µm                            | mils  |                            |                                    |       |                              |                 |               |        |
| 1480.0                        | 58.27 | YE11767                    | 1481.5                             | 58.32 | ±1%                          | 1465.2 - 1494.8 | 57.69 - 58.85 | Pass   |
| 751.0                         | 29.57 | YE11745                    | 752.0                              | 29.60 | ±3%                          | 728.5 - 773.5   | 28.68 - 30.45 | Pass   |
| 245.4                         | 9.66  | YE11732                    | 245.9                              | 9.68  | ±3%                          | 238.1 - 252.7   | 9.37 - 9.94   | Pass   |
| 50.6                          | 1.99  | YE11704                    | 51.2                               | 2.01  | ±3%                          | 49.0 - 52.1     | 1.92 - 2.05   | Pass   |
| 0.0                           | 0.00  | RE04326                    | -0.2                               | -0.01 | ±1µm                         | -1.0 - 1.0      | -0.04 - 0.04  | Pass   |

|                                      |      |
|--------------------------------------|------|
| Setup & Test Dynamic Range (Ferrous) | Pass |
| Setup & Test Lookup Table (Ferrous)  | Pass |
| Performance Verification Test        | Pass |

The instrument was calibrated using factory reference probe Serial Number UC24563, using a smooth calibration, with the factory zero plate and the thickest certified foil listed below in accordance with Elcometer's Certification Procedure.

\* Elcometer recommends minimum frequency for certification to be performed every 12 months and / or as per the company's ISO or stated procedure



Name: Harish Gowda

<sup>1</sup> Measurements taken in microns, mils values are calculated using 1µm = 0.03937mil

<sup>2</sup> Certificate Number: 57550



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## Calibration Certificate

**Customer Reference:** DELTA COAT INDUSTRIES LLC

**Certificate Number:** 456-XC09823-P-EL4462      **Probe Part Number:** T456CF2PHT

**Probe Type:** Elcometer 456 Ferrous Probe: PINIP(High Temperature); Scale 2: 0-5mm/0-200mils      **Probe Serial Number:** XC09823

**Issue Date:** 23/10/2023      **Latest Recommended Due Date:** 22/10/2024

The equipment used to measure Elcometer foils together with their traceability to National Standards is listed below:

| UKAS Certificate | NIST Certificate | Test Equipment Serial Number | Description        |
|------------------|------------------|------------------------------|--------------------|
| 12113            | 1177             | QA00632                      | Set of Slip Gauges |
| 12141            | 1178             | QA00899                      | Set of Slip Gauges |

### Measurement Results: Ferrous

| Foil / Substrate <sup>1</sup> |       |                            | Actual Measured Value <sup>1</sup> |       | Allowable Value <sup>1</sup> |                 |               | Result |
|-------------------------------|-------|----------------------------|------------------------------------|-------|------------------------------|-----------------|---------------|--------|
| Value                         |       | Serial Number <sup>2</sup> | µm                                 | mils  |                              | µm              | mils          |        |
| µm                            | mils  |                            |                                    |       |                              |                 |               |        |
| 1480.0                        | 58.27 | YE11767                    | 1477.9                             | 58.19 | ±1%                          | 1465.2 - 1494.8 | 57.69 - 58.85 | Pass   |
| 751.0                         | 29.57 | YE11745                    | 753.7                              | 29.67 | ±3%                          | 728.5 - 773.5   | 28.68 - 30.45 | Pass   |
| 245.4                         | 9.66  | YE11732                    | 246.7                              | 9.71  | ±3%                          | 238.1 - 252.7   | 9.37 - 9.94   | Pass   |
| 50.6                          | 1.99  | YE11704                    | 51.9                               | 2.04  | ±3%                          | 49.0 - 52.1     | 1.92 - 2.05   | Pass   |
| 0.0                           | 0.00  | RE04326                    | -0.3                               | -0.01 | ±1µm                         | -1.0 - 1.0      | -0.04 - 0.04  | Pass   |

| Foil / Substrate <sup>1</sup> |        |                            | Actual Measured Value <sup>1</sup> |        | Allowable Value <sup>1</sup> |                   |                 | Result |
|-------------------------------|--------|----------------------------|------------------------------------|--------|------------------------------|-------------------|-----------------|--------|
| Value                         |        | Serial Number <sup>2</sup> | µm                                 | mils   |                              | µm                | mils            |        |
| µm                            | mils   |                            |                                    |        |                              |                   |                 |        |
| 5129.0                        | 201.93 | YE11797                    | 5123.4                             | 201.71 | ±1%                          | 5077.7 - 5180.3   | 199.91 - 203.95 | Pass   |
| 4001.0                        | 157.52 | YE11792                    | 4004.6                             | 157.66 | ±1%                          | 3960.99 - 4041.01 | 155.94 - 159.09 | Pass   |
| 3424.0                        | 134.80 | YE11785                    | 3429.0                             | 135.00 | ±1%                          | 3389.76 - 3458.24 | 133.45 - 136.15 | Pass   |
| 2289.0                        | 90.12  | YE11777                    | 2288.7                             | 90.11  | ±3%                          | 2220.3 - 2357.7   | 87.41 - 92.82   | Pass   |
| 0.0                           | 0.00   | RE04326                    | 0.3                                | 0.01   | ±1µm                         | -1.0 - 1.0        | -0.04 - 0.04    | Pass   |

|                                      |      |
|--------------------------------------|------|
| Setup & Test Dynamic Range (Ferrous) | Pass |
| Setup & Test Lookup Table (Ferrous)  | Pass |
| Performance Verification Test        | Pass |

The probe was calibrated using factory reference gauge Serial Number TB19326, using a smooth calibration, with the factory zero plate and the thickest certified foil listed below in accordance with Elcometer's Certification Procedure.

\* Elcometer recommends minimum frequency for certification to be performed every 12 months and / or as per the company's ISO or stated procedure

<sup>1</sup> Measurements taken in microns, mils values are calculated using 1µm = 0.03937mil  
<sup>2</sup> Certificate Number: 57550,57550



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## CALIBRATION CERTIFICATE

|   |                      |
|---|----------------------|
| Certificate No. CA2312042.03            |                      |
| Client : M/S.DELTACOAT INDUSTRIES L.L.C | Procedure: WI/010    |
| Date: 16.12.2023                        | Temperature: 23.8 °C |
| Job.No. CA2312042                       | Humidity : 31%RH     |

|                                   |          |        |          |
|-----------------------------------|----------|--------|----------|
| Unit Under Test : VERNIER CALIPER |          |        |          |
| Manufacture                       | MITUTOYO | Range  | 0-300 mm |
| Model                             | -        | Id.No. | 7010366  |


|                       |          |                         |            |
|-----------------------|----------|-------------------------|------------|
| Calibration Reference |          |                         |            |
| Equipment             | Manuf.   | ID.No.                  | Cert No.   |
| Gauge Block Set       | Mitutoyo | 806618                  | 430587     |
| Large Block Set       | Mitutoyo | Individually Identified | 220416.3.1 |

| Readings in mm                      |         |          |              |          |         |
|-------------------------------------|---------|----------|--------------|----------|---------|
| Range                               | Applied | Measured |              | Error    |         |
|                                     |         | As found | As Left      | As Found | As Left |
| -                                   | 0.00    | 0.00     | 0.00         | 0.00     | 0.00    |
| -                                   | 10.00   | 10.00    | 10.00        | 0.00     | 0.00    |
| -                                   | 50.00   | 50.00    | 50.00        | 0.00     | 0.00    |
| -                                   | 100.00  | 100.00   | 100.00       | 0.00     | 0.00    |
| -                                   | 200.00  | 200.00   | 200.00       | 0.00     | 0.00    |
| -                                   | 250.00  | 250.00   | 250.00       | 0.00     | 0.00    |
| -                                   | 300.00  | 300.00   | 300.00       | 0.00     | 0.00    |
| Maximum Deviation %FS As Found ± NA |         |          | As Left ± NA |          |         |

Remarks: UUT Accuracy: ± 0.02 mm  
 Test method variation- NIL  
 Reference equipment Traceability : National And International Standards  
 Calibration was based on manuf. procedure & BS EN ISO 13385-1:2011  
**Recommended Due: 15.12.2024**

### Calibrated By:

Name: Sharon

Signature: 



Form No. QMSP 08.06

Date Effective: 01.11.2013

Rev.No/Issue No:00/03

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## CALIBRATION CERTIFICATE

| CERTIFICATE NO.: CA2312042.02           |                                 |              |            |
|---|---------------------------------|--------------|------------|
| Client                                  | M/S. DELTACOAT INDUSTRIES L.L.C | Procedure:   | WI/040     |
| Date                                    | 16.12.2023                      | Temperature: | 25.5 Deg.C |
| Job No.                                 | CA2312042                       | Humidity:    | 46% RH     |
| UNIT UNDER TEST: pH & Temperature Meter |                                 |              |            |
| MAKE                                    | HANNA INSTRUMENTS               |              |            |
| MODEL                                   | HI98127                         |              |            |
| SERIAL Number                           | 05020101101                     |              |            |
| RANGE - pH                              | -2.0 to 16.0 pH                 |              |            |
| RANGE - Temperature                     | -5.0 to 60.0 Deg.C              |              |            |
| CALIBRATION REFERENCE                   |                                 |              |            |
| Description                             | Make                            | ID No.       | Serial No. |
| Standard pH Solution 7.0 pH             | Hanna Instruments               | HI7007L      | 20209218   |
| Handheld Temperature Probe              | Wika                            | 75014060026  | 4921218    |

### TEST RESULTS

| pH           |                       |                |             |        |
|--------------|-----------------------|----------------|-------------|--------|
| Range        | Standard Actual Value | Measured Value | Error       | Result |
| -2.0 to 16.0 | 7.0 pH                | 7.0 pH         | 0.00 pH     | Passed |
| Temperature  |                       |                |             |        |
| Range        | Applied Deg.C         | Measured Deg.C | Error Deg.C | Result |
| 0.0 to 60.0  | 20.0                  | 20.2           | -0.2        | Passed |
|              | 50.0                  | 50.2           | -0.2        | Passed |

### Remarks:

- UUT Accuracy :  $\pm 0.01$  pH &  $\pm 0.5^{\circ}\text{C}$  FS
- Reference Equipment Traceability: Traceable to National / International Standards.
- Due Date of Calibration: 15.12.2024

### Calibrated By

Name: Sharon

Signature:



Form No. QMSP 08.06

Date Effective: 01.11.2013

Rev.No/Issue No:00/03

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## CALIBRATION CERTIFICATE

| CERTIFICATE NO.: CA2312042.01         |                                 |              |            |
|---------------------------------------|---------------------------------|--------------|------------|
| Client                                | M/S. DELTACOAT INDUSTRIES L.L.C | Procedure:   | WI/040     |
| Date                                  | 16.12.2023                      | Temperature: | 25.5 Deg.C |
| Job No.                               | CA2312042                       | Humidity:    | 46% RH     |
| UNIT UNDER TEST: EC / TDS Meter       |                                 |              |            |
| MAKE                                  | HANNA INSTRUMENTS               |              |            |
| MODEL                                 | HI98312                         |              |            |
| SERIAL NO.                            | 06130035101                     |              |            |
| RANGE - EC                            | 0 to 3999 $\mu$ S/cm            |              |            |
| RANGE - Temperature                   | 0.0 to 60.0 Deg.C               |              |            |
| CALIBRATION REFERENCE                 |                                 |              |            |
| Description                           | Make                            | ID No.       | Serial No. |
| Conductivity Solution 1413 $\mu$ S/cm | Hanna Instruments               | HI7031L      | 20106207   |
| Handheld Temperature Probe            | Wika                            | 75014060026  | 4921218    |

### TEST RESULTS


| EC                   |                       |                 |              |        |
|----------------------|-----------------------|-----------------|--------------|--------|
| Range                | Standard Actual Value | Measured Value  | Error        | Result |
| 0 to 3999 $\mu$ S/cm | 1413 $\mu$ S/cm       | 1413 $\mu$ S/cm | 0 $\mu$ S/cm | Passed |
| Temperature          |                       |                 |              |        |
| Range                | Applied Deg.C         | Measured Deg.C  | Error Deg.C  | Result |
| 0.0 to 60.0          | 20.0                  | 20.1            | -0.1         | Passed |
|                      | 50.0                  | 50.1            | -0.1         | Passed |

### Remarks:

- UUT Accuracy :  $\pm 2\%$  EC/TDS &  $\pm 0.5^\circ$ C FS
  - Reference Equipment Traceability: Traceable to National / International Standards.
- Due Date of Calibration: 15.12.2024**

### Calibrated By

Name: Sharon

Signature: 



Form No. QMSP 08.06

Date Effective: 01.11.2013

Rev.No/Issue No:00/03

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## TEST CERTIFICATE

CERTIFICATE NO.: CA2401068.01

|                |                                 |                    |           |
|----------------|---------------------------------|--------------------|-----------|
| <b>Client</b>  | M/S.DELTA COAT INDUSTRIES L.L.C | <b>Procedure</b>   | WI-007    |
| <b>Date</b>    | 02.02.2024                      | <b>Temperature</b> | 25.1Deg.C |
| <b>Job No.</b> | CA2401068                       | <b>Humidity</b>    | 53 %RH    |

### UNIT UNDER TEST: HYDRO METER

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>MAKE</b>                 | N/A                              |
| <b>MODEL</b>                | N/A                              |
| <b>SERIAL - Number</b>      | 13517869                         |
| <b>RANGE - Conductivity</b> | 1.000 TO 1.500 g/cm <sup>3</sup> |

### CALIBRATION REFERENCE

|                                    |               |
|------------------------------------|---------------|
| <b>Description</b>                 | <b>ID No.</b> |
| Standard Specific Gravity Solution | 12-2018-10008 |

### TEST RESULTS

| Standard Unit     | Actual Value | Measured Value | Error | Result |
|-------------------|--------------|----------------|-------|--------|
| g/cm <sup>3</sup> | 1.000        | 1.000          | 0.000 | Pass   |
| g/cm <sup>3</sup> | 1.250        | 1.250          | 0.000 | Pass   |
| g/cm <sup>3</sup> | 1.500        | 1.500          | 0.000 | Pass   |

Above Mentioned Hydrometer was tested and calibrated against the Standard Specific Gravity Solution and found that physical condition & showing correct reading as per manufacture instructions and satisfactory.

### Remarks:

- Reference Equipment Traceability: Traceable to National / International Standards.

Recommended Due: 01.02.2025

### Tested By

Name: Ashish

Signature:



### Approved By

Name: Sudagar

Signature:

Form No. QMSP 08.06

Date Effective: 01.11.2013

Rev.No/Issue No:00/03

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6. LLOYDS ENGINEERING LLC
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10. CORE METAL INDUSTRIES LLC

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## TRN CERTIFICATE

الهيئة الاتحادية للضرائب  
FEDERAL TAX AUTHORITY



### شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة Certificate of Tax Group Registration in the United Arab Emirates

The Federal Tax Authority certifies the formation of the below Tax Group in the UAE تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الامارات العربية المتحدة

Tax Registration Number 100035051000003 رقم التسجيل الضريبي  
Effective Registration Date 01/01/2018 تاريخ التسجيل الفعلي

Full Arabic legal name باورماكس للتجارة (ذ.م.م) الاسم القانوني الكامل باللغة العربية  
Full English legal name POWERMAX TRADING (L.L.C) الاسم القانوني الكامل باللغة الانجليزية  
Registered address N/A. العنوان المسجل

Other members of the Group

| No. | Name (English)                           | Name (Arabic)                        |
|-----|--|--------------------------------------|
| 1   | TRANS DELTA INT.IND.-L.L.C               | ترانس دلتا للصناعات العالمية - ذ.م.م |
| 2   | DELTA COAT INDUSTRIES (L.L.C)            | تا لصناعة تكسية الحديد (ذ.م.م)       |
| 3   | POWER MAX BUILDING MATERIALS TRADING LLC | باور ماكس لتجارة مواد البناء ذ.م.م   |

First VAT return period 1 Jan 2018 – 31 Jan 2018 and quarterly thereafter فترة أول إقرار لضريبة القيمة المضافة

First VAT return due date 28th day following the end of the VAT return period تاريخ استحقاق أول إقرار لضريبة القيمة المضافة

Start and end dates of Tax periods: 1 Feb to 30 Apr, 1 May to 31 July, 1 Aug to 31 Oct, 1 Nov to 31 Jan

يرجى التأكد من صحة تفاصيل الشهادة، يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please ensure that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number as a Tax Group.



Issuing Date: 21/12/2017

تاريخ الإصدار

Complete Range of Surface Coating

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# Delta Coat Industries L.L.C

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Email: info@deltacoat.ae - www.deltacoat.ae



Middle East

## TEST REPORTS & APPROVALS

AL HOTY - STANGER LABORATORIES  
Independent Testing Laboratories  
and Materials Consultants



مختبرات الحوتي ستانجر  
مختبرات فحص مستقلة -  
مستشارو المواد

### TEST REPORT

CLIENT **DELTA COAT INDUSTRIES LLC.**

### CHEMICAL ANALYSIS OF ZINC

Report date: 17.08.2020

|  |                               |                           |                              |
|--|-------------------------------|---------------------------|------------------------------|
| Report number                                  | : D20-386849-1                | Source                    | : Not given                  |
| Project name                                   | : Quality Assurance           | Sample location           | : Delta Coat Industries LLC. |
| Client ref./request no.                        | : Not given                   | Sampled by                | : Client Rep.                |
| Sample description as identified by the client | : Zinc                        | Sampling date/time        | : 09.08.2020                 |
|  |                               | Sampling method           | : Not given                  |
|  |                               | Sample delivered by       | : Client Rep.                |
| Sample size                                    | : Approx. 3.2kg               | Date/time sample received | : 10.08.2020 - 1120 Hrs.     |
| Lot number                                     | : Not given                   | Date tested               | : 10.08.2020 - 16.08.2020    |
| Lot size                                       | : Not given                   | Tested by / location      | : SR (DXB)                   |
| Test methods                                   | : 1. ICP-OES<br>2. ASTM E 536 |                           |                              |

#### Results:

| PARAMETERS            | UNITS       | RESULTS |
|-----------------------|-------------|---------|
| Aluminium (Al)        | % by weight | 0.0008  |
| Iron (Fe)             | % by weight | 0.0013  |
| Lead (Pb)             | % by weight | 0.0021  |
| Cadmium (Cd)          | % by weight | < 0.01  |
| Copper (Cu)           | % by weight | 0.0006  |
| Tin (Sn)              | % by weight | < 0.01  |
| Zinc (Zn) (Remainder) | % by weight | 99.9952 |

Remarks: Sample collected by the client. Details of sampling which may affect the accuracy of the test results were not provided by the client.

Test method variation: None

Sandeep P.K.  
Head of Chemistry Department  
CHEM/G/01/02/REV.02



This report relates only to the sample tested and shall only be reproduced in full and with the written approval of AHS Laboratories.

- END OF REPORT -

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KALBA, SHARJAH, U.A.E. P.O. BOX 145133, TEL: (09) 2779543  
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مختبرات فحص مستقلة -  
مستشارو المواد

## TEST REPORT

### DELTACOAT INDUSTRIES LLC

#### DETERMINATION OF COATING THICKNESS BS EN ISO 2808 – Method 7D : 2007

Report date: 06.06.18

|  |  |                           |   |
|--|--|---------------------------|---|
| Report number                                  | : D18-305609-1                                       | Manufacturer              | : Trans Delta International Industries LLC. SHJ |
| Project No                                     | : Not given  | Sample location           | : Not given                                     |
| Project Name                                   | : Quality Assurance                                  | Sampled by                | : Client Rep.                                   |
| Consultant                                     | : Not given  | Sampling date/time        | : 05.06.18 / 0800 Hrs                           |
| Galvanizing done by                            | : Deltacoat Industries LLC Ajman                     | Sample delivered by       | : Client Rep.                                   |
| Item code                                      | : IGS-DB-102-3                                       | Date/time sample received | : 05.06.18 / 1140 Hrs                           |
| Sample description as identified by the client | : 41x41mm HDGAF Slotted Channel 3m length x 2mm Thk. | Date tested               | : 05.06.18                                      |
| Galvanizing method given by client             | : BS EN 1461   | Tested by, name/location  | : TN/ABS - DXB                                  |


#### Results:

| Coating Thickness (microns) |    |    |    |    |
|-----------------------------|----|----|----|----|
| 68                          | 68 | 65 | 68 | 79 |
| 67                          | 59 | 72 | 74 | 67 |
| 73                          | 79 | 56 | 64 | 71 |

Average coating thickness, microns: 69

Remarks: None.  
Test Method Variation: None  
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Mohamed Ali Asath  
HOD- Physical Department, Dubai.

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مختبرات فحص مستقلة -  
مستشارو المواد

## TEST REPORT

### DELTACOAT INDUSTRIES LLC

#### DETERMINATION OF COATING THICKNESS BS EN ISO 2808 – Method 7D : 2007

|  |  | Report date: 06.06.18     |   |
|--|--|---------------------------|---|
| Report number                                  | : D18-305611-1   | Manufacturer              | : Trans Delta International Industries LLC. SHJ |
| Project No                                     | : Not given  | Sample location           | : Not given                                     |
| Project Name                                   | : Quality Assurance                                    | Sampled by                | : Client Rep.                                   |
| Consultant                                     | : Not given  | Sampling date/time        | : 05.06.18 / 0800 Hrs                           |
| Galvanizing done by                            | : Deltacoat Industries LLC Ajman                       | Sample delivered by       | : Client Rep.                                   |
| Item code                                      | : IGRTR-2SS42-3  | Date/time sample received | : 05.06.18 / 1140 Hrs                           |
| Sample description as identified by the client | : 100X50mm HDGAF Cable trunking 3m length x 1.2mm Thk. | Date tested               | : 05.06.18                                      |
| Galvanizing method given by client             | : BS EN 1461   | Tested by, name/location  | : TN/ABS - DXB                                  |

#### Results:

| Coating Thickness (microns) |    |    |    |    |
|-----------------------------|----|----|----|----|
| 61                          | 64 | 79 | 61 | 64 |
| 73                          | 73 | 62 | 66 | 76 |
| 79                          | 77 | 81 | 72 | 78 |

Average coating thickness, microns: 71

Remarks: None.  
Test Method Variation: None  
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Mohamed Ali Asath  
HOD- Physical Department, Dubai.

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Middle East

|                            |   |                                   |
|----------------------------|---|-----------------------------------|
|                            |   |                                   |
| DUBAI MUNICIPALITY         | Project: DS162/2 -Upgrading/Diverting of Main Sewage Pumping Station "E" to Jebel Ali STP |                                   |
| <b>Technical Submittal</b> |   | TS Ref. No. AES/DS162/2/TS/FQ/07J |
|                            |   | Rev. No. 0                        |

Originator of the Submittal: **Mohammed Shahid Ansari** Date: **01.07.2017**  
 Originator Signature: *[Signature]* Req'd. By: **10.07.2017**

**Subject of Submittal:** *Prequalification documents For Galvanizing, Powder Coating & Electroplating*

Pre Qualification of Subcontractor     Method Statement     Guarantee     Certificate     Test Results     Others

**Attachments:** *Four hard copies & soft copy of Pre-Qualification Documents submitted by M/s. Deltacoat Industries LLC, UAF*

Contractor Name/Signature: *[Signature]* Date: **01.07.2017**  
 Consultant/Engineer/Received: *[Signature]* Date: **2-7-17**

*satisfactory*

> Contractor to arrange a joint workshop visit to the applicator's facility. ME

> Galvanization Process shall be in-line with Contract requirements- (e.g., Material, surface preparation, etc..) 8:30

> All Fabricated items shall be inspected prior to Galvanization-process.

> Testing and QC records shall be provided with each consignment-delivered to site.



|                                      |          |
|--------------------------------------|----------|
| Arabtec Engineering Services (L.L.C) |          |
| PROJECT: DS162/2                     |          |
| Date: 4/7/17                         | Acc: [ ] |
| Des: [ ]                             | Ins: [ ] |
| QA: [ ]                              |          |
| QC: [ ]                              |          |
| DM: [ ]                              |          |
| DS: [ ]                              |          |
| DC: [ ]                              | ✓        |
| GP: [ ]                              |          |
| SE: [ ]                              |          |
| PE: [ ]                              |          |
| SM: [ ]                              |          |
| Top 2 ✓                              |          |

**RE (MWH)**

A - Approved

B - Approved Subject to Conditions

C - Revise and Resubmit

D - Incomplete Submission, Rejected

Signature: *[Signature]* Date: **4.07.2017.**

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## HOT DIP GALVANIZING CERTIFICATE

INSPECTION AND TESTING FOR COMPLIANCE WITH BS EN ISO – 1461:2009

|                |      |
|----------------|------|
|                | DATE |
| CERTIFICATE NO |      |
| WORK ORDER NO  |      |
| CUSTOMER NAME  |      |
| CUSTOMER REF   |      |
| PROJECT NAME   |      |

### ZINC COATING APPEARANCE:

1. Smooth - OK
2. Continuous - OK
3. Zinc coating is free of gross surface imperfections, bare spots, heavy lumps, and blisters.

### ADHESION TEST:

Coating does not peel off to expose the underlying steel when tested with stout knife.

### COATING THICKNESS (DFT):

The coating thickness test was carried out using Elcometer 456 Model B Dual FNF Separate. The readings are taken on random pieces and found within the range as mentioned below.

| SL NO | ITEM DESCRIPTION | QTY | UOM |
|-------|------------------|-----|-----|
| 1     |                  |     |     |
| 2     |                  |     |     |
| 3     |                  |     |     |

| SL NO | COATING THICKNESS $\mu\text{m}$ (MICRONS) | AVG. $\mu\text{m}$ | MASS OF ZINC COATING (gm/m <sup>2</sup> ) |
|-------|---|--------------------|---|
| 1     |   |                    |   |
| 2     |   |                    |   |
| 3     |   |                    |   |

### FINAL RESULT / STATUS OF INSPECTION:

We certify that the above-mentioned material(s) has been Hot Dip Galvanized to BSEN ISO 1461:2009 standard

Inspection carried out by,

|              |   |
|--------------|---|
| ACCEPTED     | ✓ |
| NOT ACCEPTED |   |

Engr. Ashif Ansari (QA/QC Inspector)

F-QC-06

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Middle East

## Thank you for considering DELTACOAT

We look forward to working with you.

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