



Inspection Certificate

Project: --

Client: **Crane Instrumentation & Sampling Inc. d.b.a. Hoke Inc.**
405 Centura Ct, Spartanburg, SC 29305 USA.

Office: **Houston**

Client's Order Number: **Request for Services signed and dated 22 June 2017**
PO #108570

Date: **02 August 2020**

Order Status: **Complete**

Inspection Dates

First: **29 June 2017**

Final: **05 July 2020**

This certificate is issued to **Crane Instrumentation & Sampling Inc. d.b.a. Hoke Inc.**, that the undersigned surveyor to **Lloyd's Register Quality Assurance, Inc.**, did at their request attend their works on and between the aforementioned dates for the purpose of verifying, witnessing tests on the items detailed below to the following scope of inspection:

Ferrule Size	Tube Set-up Size/Material/Mil Heat#	Quantity Tested
10FRD50mm-XP-NK	10mm x 2.0mm/6Mo/HC#4G	6 Nos.
12FRD50mm-XP-NK	12mm x 2.0mm/6Mo/HC#525	6 Nos.
18FRD50mm-XP-NK	18mm x 2.0mm/6Mo/HC#489	6 Nos.
20FRD50mm-XP-NK	20mm x 2.5mm/6Mo/HC#0979	6 Nos.
25FRD50mm-XP-NK	25mm x 2.mm/6Mo/HC#1088	6 Nos.
10FR316mm-XP	10mm x 2.0mm/316/HC#361	6 Nos.
12FR316mm-XP	12mm x 2.0mm/316/HC#469	6 Nos.
18FR316mm-XP	18mm x 2.0mm/316/HC#361	6 Nos.
20FR316mm-XP	20mm x 2.0mm/316/HC#0964	6 Nos.
16FR316mm-XP	1" x .120"/316/HC#1167	6 Nos.
12FRD50mm-XP-NK	12mm x 2.0mm/316-6Mo/HC#525	6 Nos.
18FRD50mm-XP-NK	18mm x 2.0mm/316-6Mo/HC#489	6 Nos.

Inspection:

1. Identified Ferrule and Tube material with part numbers and manufacturer's drawing.
2. Reviewed internal records, calibration records and production testing procedure.
3. Witnessed burst test on the Ferrules per manufacturers test set-up procedure.
4. Carried out visual examination of Ferrule for finish, profile per drawing requirements.
5. Manufacturer's ferrule's Testing Data Log endorsed.

Note:

1. The above inspection was undertaken at the request of the client and does in no way relieve the client/manufacturer of its responsibilities of complying with all statutory requirements of any importing country.

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Conclusion:

Based on the above scope of inspection, the material described is considered by the undersigned to comply with the manufacturers' specification and drawing requirements.

-End-

 PP
 Lloyd's Register
Anthony Waller
02 Aug 2020
HSN1710040
Houston
Lloyd's Register Quality Assurance, Inc.
LR101.2016.05

Raju Cunkari
Surveyor to Lloyd's Register Quality Assurance, Inc.

a member of the Lloyd's Register group.