

Audit AU2015799

44652 Element Materials Monterray Lab.

Audit type:

System / External Lab

Audit trigger:

Expired Vendor Approval

Unplanned:

Status:

Signature Provided

Planned date:

2023.02.24 00:00 to 2023.02.24 00:00

Date:

2023.02.24 00:00 to 2023.02.24 00:00

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Rating:

Approved/Godkänd

This Document contains no Technical data

Persons involved

Role	Description

Lead Auditor

Per Rehndell

Approver

Stefan Abrahamsson

Engineering

Sven Johansson

Engineering

Thomas Hansson

Audit Report

Distribution list: On GKN Supplier Portal (GKN Aerospace external Lab.list) & Element Lab.Monterrey

Background

The GKN Aerospace Sweden AB (GAS) system concerning GAS designed products requires Method Approval from GAS for Laboratories performing material testing or testing to verify requirements per the method standard VOLS:10071573: Control of Materials and Methods. All Laboratories must be listed in the database for Nadcap approvals or have an ISO 17025 approval for the scope which is used on the GAS parts.

GKN Aerospace Auditor	Engineering	GKN Aerospace Quality Manager

Audit AU2015799 44652 Element Materials Monterray Lab.

Ref. Standard VOLS:10071573: Control of Materials and Methods.

Time & Auditor:

The desk top audit has been performed 2023-03-06

Lead Auditor GAS : Per Rehndell Auditor GAS : Thomas Hansson

Address

Element Materials Technology Monterrey Col. Privadas de Sta Catarina Carr. Monterrey-Saltillo No 3279-B 66367 Santa-Catarina NL C.P. MX

Formerly : Exova Inc Mexico

Audited requirements

Standard VOLS:10071573: Control of Materials and Methods

Element Materials Technology Monterrey is accredited according to ISO/IEC 17025 (L2195.03) and is valid until 2025-02-26.

Element Materials Technology Monterrey has an ISO 17025 Quality System approval for Lab.

The Nadcap scope for MTL approval has been reviewed. The MTL Nadcap approval is valid until 2023-11-30.

After review of Elements data and internal standards both by Skype meeting and by mail (during 2021)GAS opinion is now that XA (Creep) can be added ,as long as the testing are performed as showed in the internal standards , to the GAS Approval Scope for Element Materials Technology Monterrey

Elements internal standard for test of L8 Near Surface Examinations - Alpha Case: Wrought Titanium , fulfills requirements in according with GAS specification Vols:10066156 issue 1.

This after a review of Elements internal standard "ALPHA" iss.8 with the title "Alpha Case in Titanium".

Based on this data and information we have discussed the potential risks and can recommended Element Materials Technology Monterrey for continuation as an approved Lab to GKN Aerospace Sweden until 2024-01-31

Non Conformance

Conclusion

GAS Scope of approval:

Element Materials Technology Monterrey is approved to work in below Nadcap process codes on GKN Aerospace Sweden AB designed products controlled by GAS specification VOLS:10071573 (Control of Materials and Methods), until 2024-03-31.

Mechanical Testing (A,B,C,N , XA)
Hardness (M1,M2)
Heat Treating: Specimen Heat Treating
Mechanical Testing Specimen Preparation (Z)
Metallography and Microhardness (L0,L2,L7,L8,L11,L12,L13,XL, VOLS:10066156)
Chemical Testing (G,G2,G3,G4)
Ti Base

Attention:

- 1) Elements internal standard for test of Near Surface Examinations Alpha Case: Wrought Titanium ,fulfills requirements in according with GAS specification no: Vols:10066156.
- 2) Mechanical testing in accordance with code XA(Creep) has been added to the GAS scope during 2021 based on review of data ,equipment and processes/procedures.