



ACCREDITATION CERTIFICATE

LB-242-TEST

Dubai Accreditation Department

has accredited

**Emirates Global Aluminium (EGA) Laboratories
Al Taweelah, KIZAD
Abu Dhabi- United Arab Emirates**

In accordance with the requirements of ISO/ IEC 17025: 2005 to undertake the tests
in the field of:

Metallurgical Testing

Listed in the attached Scope of Accreditation

This Accreditation is invalid without the attached scope of accreditation and shall remain in
force within the validity period printed below, subject to continuing compliance with the
requirements of the accreditation program.

Validity of Certificate: from 28- 01- 2016 to 27- 01- 2019

Initial Accreditation Date: 28- 01- 2016


Director, Dubai Accreditation Department

SCOPE OF ACCREDITATION

Metallurgical Testing

Emirates Global Aluminium (EGA) Laboratories

Al Taweelah, KIZAD, Abu Dhabi- United Arab Emirates

Scope Issue No: 02

Accreditation Certificate No: LB-242-TEST

Scope Validity Period: 07-03-2016 to 27-01-2019

Issued by (Head of Section): 

Type of Task	Materials/Products	Task Name	Standard method
Physical / Mechanical	Aluminium & Aluminium Alloys	Determination of Hydrogen in liquid aluminium	Documented In House Method MET/TSK/GEN.02.01 using AISCAN
		Inclusion measurement	Documented In House Method MET/TSK/GEN.02.02 using PoDFA
		In-line inclusion measurement	Documented In House Method MET/TSK/GEN.02.03 using LIMCA
Physical	Aluminium & Aluminium Alloys (Optical Metallography / SEM-EDX Analysis)	Evaluation of metallographic characteristics including: Spheroidization of Alpha- AlFeSi Intermetallic Particles, Secondary Porosity Density, Secondary Porosity Size, Dendritic Arm Spacing, Fold/Meniscus Depth, Inverse Segregation Zone	Documented In House Method MET/TSK/GEN.04.04 & MET/ TSK/ GEN.04.07
		Grain size	ASTM E112 (Lineal intercept method)
		Macro structural examination and identification of defects	Documented In House Methods MET/TSK/GEN.04.01 and MET/TSK/GEN.04.06
		Elemental identification and quantitative analysis	Documented In OEM User Manual using SEM/EDX

Note: For history details of accredited conformity assessment activities, please refer to Dubai Accreditation Department, Dubai Municipality.



SCOPE OF ACCREDITATION

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Issued by (Head of Section):

Type of Task	Materials/Products	Task Name	Standard method
Physical	Aluminium & Aluminium Alloys (Optical Metallography / SEM-EDX Analysis)	Determination of intermetallic particle size	Documented in OEM User Manual using SEM/EDX / Optical Microscope & Image Analyzer
	Aluminium & Aluminium Alloys (Thermal Analysis & VAC Test)	Determination of density and density index using Thermo analysis techniques	Documented In House Method MET/TSK/GEN.02.04
		Determination of liquidus and solidus temperatures using Thermo analysis techniques	Documented In House Method MET/TSK/GEN.02.04
Chemical	Aluminium disc samples	Standard Test Method for Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry Optical Emission	ASTM E1251

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