

**Learjet Approved
Suppliers Listing
By Supplier's Name
(Alphabetical)**

Note: EMCM is applicable to Learjet programs only when specifically called out by respective Engineering Specifications

Questions or Corrections:

Please contact us via email. Include your email address, SAP Code, and question or concern.

lj.suppliers@aero.bombardier.com

ELEMENT MATERIALS TECHNOLOGY, 0000124351	Class:	Specification Controlled:
3100 N. HEMLOCK CIR. BROKEN ARROW, OK US, 74012-1115 TEL: 800 982 8378 FAX: 918 258 1154	A SUBCONTRACTORS	BAERD-GEN-018-1A INSTRUMENTAL TECHNIQUES OF CHEMICAL ANALYSIS PERFORMED SUCH AS GFAA, FLAME AA, ICP, DCP. INSTRUMENTAL TECHNIQUES OF CHEMICAL ANALYSIS PERFORMED SUCH AS GFAA, FLAME AA, ICP, DCP.
BAERD-GEN-018-1B WET CHEMISTRY, TREATMENT OF SOLUTIONS AND WATERS PERFORMED BY CLASSICAL NON-INSTRUMENTAL TECHNIQUES SUCH AS GRAVIMETRIC, VOLUMETRIC, COLORMETRIC OR TITRATION WET CHEMISTRY, TREATMENT OF SOLUTIONS AND WATERS PERFORMED BY CLASSICAL NON-INSTRUMENTAL TECHNIQUES SUCH AS GRAVIMETRIC, VOLUMETRIC, COLORMETRIC OR TITRATION GRAVIMETRIC, VOLUMETRIC, COLORMETRIC OR TITRATION BAERD-GEN-018-2A STATIC TESTING - METALS, COMPOSITES, ADHESIVES, RESINS, SEALANTS, PLASTICS, RUBBERS, ETC. STATIC TESTING - METALS, COMPOSITES, ADHESIVES, RESINS, SEALANTS, PLASTICS, RUBBERS, ETC.		
BAERD-GEN-018-3A METALLOGRAPHIC EXAMINATION OF FERROUS ALLOYS AND METALLIC COATINGS METALLOGRAPHIC EXAMINATION OF FERROUS ALLOYS AND METALLIC COATINGS		
BAERD-GEN-018-3B METALLOGRAPHIC EXAMINATION OF ALUMINUM ALLOYS METALLOGRAPHIC EXAMINATION OF ALUMINUM ALLOYS		
BAERD-GEN-018-3C METALLOGRAPHIC EVALUATION OF TITANIUM ALLOYS METALLOGRAPHIC EVALUATION OF TITANIUM ALLOYS		
BAERD-GEN-018-3D HARDNESS AND MICRO HARDNESS HARDNESS AND MICRO HARDNESS		
BAERD-GEN-018-3E WELDING EVALUATION WELDING EVALUATION		
BAERD-GEN-018-5A CORROSION TESTING CORROSION TESTING		
INDEPENDANT LABORATORY		

Bombardier Learjet Testing Matrix

Bombardier Learjet Test Code per BAERD-GEN-018	Test Description Nadcap MTL Required	EBA Nadcap Test Code
1A Instrumental Techniques of Chemical Analysis	Atomic Emission Spectroscopy – Spark/Arc (OES)	F3
	Elemental Analysis Combustion Carbon	G1
	Elemental Analysis Combustion Sulfur	G5
1B Wet Chemistry, Treatment of Solutions and Waters Performed by Classical, Non- Instrumental Techniques such as Gravimetric, Volumetric	Chemical Testing	Approved by Bombardier Learjet per Para 3.5.2 of AC 7108 (Chemical Processing)
2A Static Testing - Metals	Room Temperature Tensile	A
	Impact Testing	N
	Bend Testing	XN
3A Metallographic Examination of Ferrous Alloys and Metallic Coatings	Metallographic Evaluation	L0
	Nitriding	L6
	IGA/IGO	L7
	Carburization/Decarburization	L10
	Grain Size	L11
	Inclusion Rating	L12
	Macro Examination	XL
3B Metallographic Examination of Aluminum Alloys	Metallographic Evaluation	L0
3C Metallographic Evaluation of Titanium Alloys	Metallographic Evaluation	L0

Bombardier Learjet Test Code per BAERD-GEN-018	Test Description Nadcap MTL Required	EBA Nadcap Test Code
3D Hardness and Microhardness	Hardness - Rockwell	M2
	Hardness - Vickers (Macro)	M3
	Microhardness-Interior	L1
	Near Surface Examinations Microhardness (Surface)	L5
3E Welding Evaluation	AC 7101/3 AC 7101/4 AC 7101/13 AC 7110/13S	U13
5A Corrosion Testing	Corrosion General	Q