

## Bombardier Testing Matrix

<b>Bombardier Test Code per BAERD-GEN-018</b>	<b>Test Description Nadcap MTL Required</b>	<b>EBA Procedure</b>	<b>EBA Nadcap Test Code</b>
1A Instrumental Techniques of Chemical Analysis	Atomic Emission Spectroscopy – Spark/Arc (OES)	C223	F3
	Elemental Analysis Combustion Carbon	C205	G1
	Elemental Analysis Combustion Sulfur	C205	G5
1B Wet Chemistry, Treatment of Solutions and Waters Performed by Classical, Non-Instrumental Techniques such as Gravimetric, Volumetric	Chemical Testing	C218	Approved by Bombardier per Para 3.5.2 of AC 7108 (Chemical Processing)
2A Static Testing - Metals	Room Temperature Tensile	A201	A
	Impact Testing	A202	N
	Bend Testing	A203	XN
3A Metallographic Examination of Ferrous Alloys and Metallic Coatings	Metallographic Evaluation	B213	L0
	Nitriding	B220	L6
	IGA/IGO	B214	L7
	Carburization/Decarburization	B212	L10
	Grain Size	B218	L11
	Inclusion Rating	B204	L12
	Macro Examination	B205	XL
3B Metallographic Examination of Aluminum Alloys	Metallographic Evaluation	B213	L0
3C Metallographic Evaluation of Titanium Alloys	Metallographic Evaluation	B213	L0

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3D Hardness and Microhardness	Hardness - Brinell	A204	M1
	Hardness - Rockwell	A200	M2
	Hardness – Vickers (Macro)	B208	M3
	Microhardness-Interior	B208	L1
	Near Surface Examinations Microhardness (Surface)	B208	L5
3E Welding Evaluation	AC 7101/3 AC 7101/4 AC 7101/13 AC 7110/13S	W200	U13
5A Corrosion Testing	Corrosion General	B201	Q