

6808.5 P 3.1



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INSPECTION CERTIFICATE

EN 10204-3.1 AS 9100EN ISO 9001 CERT. No 01 117 046312



CERTIFICATE No 20661Y07A date 27.11.2007

Purchaser: VSMPO TIRUS GMBH, DEUTSCHLAND

Contract: 280292551EE annex 8

Purchaser order: Tirus PO: 2006-10546; Embraer PO: 902039829; E-code: 8052255

Quality/alloy e-codes	Units	Weight, (kg)	Condition of delivery	Object	Dimensions (mm) or Drawing No	Heat No	Lot No
6AL-4V	8	2784	Annealed	PLATE	82.55 x 914.4 x 1016	9-03-1788	24128
AMS4911J							
TOP							
BOTTOM							
Requirement							
AMS 4911 J							

Chemical Composition, %	Ti-remainder		N ₂		O ₂		C		S		Heat treatment	
	Al	V	max	min	max	min	max	min	max	min	T, C	time
5.50-6.75	3.50-4.50	0.20	0.015	0.005	0.20	0.08	0.005	0.001	0.001	0.001	780°	55 min
6.40	4.09	0.24	0.0003	0.003	0.198	0.026	<0.001	<0.001	<0.001	<0.001	air cooling	4 h
6.19	3.86	0.24	0.0004	0.003	0.20	0.026	0.001	0.001	0.001	0.001		

Requirement	Tensile strength		Elongation		Bend test		Beta-transus		In Use Part, %		Macrostructure testing	
	min	max	min	max	Angle	Angle	T, C	H ₂	Sample #	Time	Method	Method
AMS 4911 J	120	130	10	10					2	4 h	As per AMS 2631B, Cl. A1.	As per AMS 2631B, Cl. A1.
Longitudinal	127.9	139.0	10.5	10.5					1	55 min	Longitudinal wave. Immersion method	Longitudinal wave. Immersion method
Transverse	133.2	142.7	15.4	15.4							Focused transducer.	Focused transducer.

We certify that, subject to conditions or connection items specified, the supplier's product conforms to the requirements of the certificate. The supplier's product is intended for use in accordance with the technical specifications of the certificate, and all inspection operations and tests, including heat treatment, are subject to approval by the customer. The certificate is issued on the basis of the inspection report and the inspection standards and regulations in force. It is not valid for reference to the supplier's product.

Prepared by Name: Kozlova A.A.

signature

