MATERIAL TEST RESULTS

PPAP element: material test results

Specification limits used here are a DRAFT and have not been verified against the licensed standard. Pass marks below are not valid for release until they are.

ORGANIZATION	Sample Shop (fictitious)
PART NUMBER	—
PART NAME	—
DESIGN RECORD CHANGE LEVEL	—
MATERIAL SUPPLIER / HEAT	Sample Titanium Mill (fictitious) · Heat 0Y7K-2291

Material specification / rev / date	Specification limits	Test qty	Supplier test results (data)	OK	Not OK
ASTM F136 · Ti-6Al-4V ELI — Carbon (C)	≤ 0.08 %	1	0.02 %	X	
ASTM F136 · Ti-6Al-4V ELI — Aluminum (Al)	5.50–6.50 %	1	6.10 %	X	
ASTM F136 · Ti-6Al-4V ELI — Vanadium (V)	3.50–4.50 %	1	4.00 %	X	
ASTM F136 · Ti-6Al-4V ELI — Iron (Fe)	≤ 0.25 %	1	0.27 %		X
ASTM F136 · Ti-6Al-4V ELI — Nitrogen (N)	≤ 0.05 %	1	0.01 %	X	
ASTM F136 · Ti-6Al-4V ELI — Oxygen (O)	≤ 0.13 %	1	0.11 %	X	
ASTM F136 · Ti-6Al-4V ELI — Hydrogen (H)	≤ 0.012 %	1	0.0045 %	X	
ASTM F136 · Ti-6Al-4V ELI — Tensile strength	≥ 860 MPa	1	131.3 ksi (905.3 MPa)	X	
ASTM F136 · Ti-6Al-4V ELI — Yield strength (0.2 %)	≥ 795 MPa	1	120.4 ksi (830.1 MPa)	X	
ASTM F136 · Ti-6Al-4V ELI — Elongation	≥ 10 %	1	14 %	X	
ASTM F136 · Ti-6Al-4V ELI — Reduction of area	≥ 25 %	1	38 %	X	

SIGNATURE	—
TITLE	—
DATE	—

Supplier test results are transcribed from the mill MTR. OK / Not OK reflects Arzen's rule check against the limits shown; REVIEW items need a person. Check the layout against your customer's PPAP requirements (AIAG PPAP manual) before submission.

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