

SHIP TO: GENSER AEROSPACE & IT PVT LTD % NAVIO SHIPPING PVT LTD % AMASS GLOBAL NETWORK,STE 255 13191 CROSSROADS PKWY NORTH CITY OF INDUSTRY, CA 91746
SOLD TO: GENSER AEROSPACE & IT PVT LTD 64 PALACE ROAD VASANTH NAGAR KARNATAKA BENGALURU, IN 5600562



Trentwood Works
PO Box 15108, Spokane Valley WA 99215-5108
15000 E Euclid, Spokane Valley WA 99216
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4655469

CUSTOMER PO NUMBER: GNS/DS/KAISER/GX/F20-1		WORK PACKAGE:		CUSTOMER PART NUMBER:		SHIP RUN/LOAD: 200210/14		GOV'T CONTRACT NUMBER:			
KAISER ORDER NO: 1325580-1			SHIP DATE: 28-JUL-2021		ALLOY: 2024	CLAD: BARE	TEMPER: T351		PRODUCT DESCRIPTION: Sawed Plate		
WEIGHT SHIPPED: 3034.56 KG (6690 LB)		QUANTITY: 2 PCS EST.		TRUCK B/L #: 2094046		GAUGE: 55.0000 MM (2.1650 IN)		DIAMETER/WIDTH: 1450.0 MM (57.090 IN)		LENGTH: 6900.0 MM (271.650 IN)	

MHU 2481333: LOT 378282B8: 1 pieces;
 MHU 2481335: LOT 378282B8: 1 pieces;

Certified Specifications

AMS 4037/RevR

AMS-QQ-A-250/4/RevB

ASTM B209/B209M/Rev21

Test Code: 1504

Lot: 378282B8 Cast 502

Drop 03

Test Results

Ingot 3

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T351	LT / 2 (Min:Max)	67.5 : 67.7 (465 : 467)	46.3 : 47.5 (319 : 328)	18.5 : 18.7

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.06	0.12	4.6	0.60	1.3	0.01	0.22	0.02	0.01	0.00	TOT 0.02

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder



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CERTIFICATION

Kaiser Aluminum (Trentwood Works) has a Quality Management System in compliance with ISO 9001, AS9100, and ISO 14001. All material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1251 (<1ppm).
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

For additional information (Nadcap certifications, Safety Data Sheets, RoHS, REACH, Conflict Minerals, etc.), refer to Kaiser's corporate website at www.kaiseraluminum.com.

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Michael Peske, PT Lab Process Engineer