

VERBAL JOHN

326185

KAISER

ALUMINUM

FABRICATED PRODUCTS

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CERTIFIED TEST REPORT

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KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6250 EAST BANDINI BLVD
LOS ANGELES, CA 90040-3168

CUSTOMER PO NUMBER: 60-31498-1		CUSTOMER PART NUMBER: 456/STK		PRODUCT DESCRIPTION: 1.000 X 2.500 SC RECT BAR	
KAISER ORDER NUMBER: 5023769	LINE ITEM: 001	SHIP DATE: 11/06/2012	KAISER LOT NUMBER: HK105-770	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1058.000 LB	QUANTITY: 30.000 PCS	B/L NUMBER: 530033	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: METALCENTER INC 12034 GREENSTONE AVE SANTA FE SPRINGS, CA 90670 USA			SOLD TO: METALCENTER INC 12034 GREENSTONE AVE SANTA FE SPRINGS, CA 90670 USA		

K199562627

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK105-770	0001	0001	47.5	40.5	17.0	RE 95	N/A	N/A
HK105-770	0001	0002	47.1	40.0	16.8	RE 95	N/A	N/A
HK105-770	0001	0003	47.6	42.2	20.1	RE 95	N/A	N/A
HK105-770	0001	0004	47.2	40.8	20.5	RE 96	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40		0.15		0.8	0.04			NA	NA	NA		
033284	.72	.31	.28	.07	.94	.08	.04	.02	.00	.00	.00	.00	.01
033250	.71	.29	.26	.08	.98	.09	.03	.02	.00	.00	.00	.00	.01

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Mark Shelley, Quality Manager

Mark Shelley
NARASHA SKINNER
Test Report Dept
METAL CENTER

Plant Serial: 00249087

Kaiser Order Number: 5023769

Line Item: 001