

Customer Name

Customer PO#

Shipper No

Heat Number

PHOENIX METALS

0608121

106974

222653901 22108210



**ELVAL HALCOR**

HELLENIC COPPER AND ALUMINIUM INDUSTRY S.A.

MILL TEST CERTIFICATE

Acc to BSEN 10204/3.1



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Cert No: 1233402

Order No	Ship To Party Name	Destination	Customer's Ref.Nr	Delivery Ntt.Nr	Total Weight
377661		USA	SL-18/05/18114	80789039	15.294kg/33.718lb

Product List

Order Line	Product Description	Alloy	Temper	Thickness (mm/")	Width (mm/')	Length (mm/')	Coil No	Heat No
1	ALUMINIUM SHEETS	76061293	5052 H32	3,1750/0,125000	2.438,40/96,000	6.096,00/240,00	222654001	22108210
2	ALUMINIUM SHEETS	76061293	5052 H32	3,1750/0,125000	2.438,40/96,000	7.315,20/288,00	222653901	22108210

Chemical Analysis

Heat No /Unit	Silicon(Si) %	Iron(Fe) %	Manganese(Mn) %	Magnesium(Mg) %	Copper(Cu) %	Titanium(Ti) %	Chromium(Cr) %	Zinc(Zn) %
22108210	0,104	0,299	0,065	2,588	0,013	0,012	0,187	0,011

Mechanical Properties

Coil No	Tensile Strength (Rm) N/mm²	Tensile Strength (Rm) ksi	Yield Strength (Rp0,2) N/mm²	Yield Strength (Rp0,2) ksi	Elongation (A50mm) %
222653901	243,5	35,3	185,3	26,9	12,9
222654001	243,4	35,3	187,3	27,2	12,7

Material Origin

Batch No	Coil No	Batch Quantity (kg)	Country of Most Recent Cast	Country of Largest Smelt	Country of Second Largest Smelt
3776610073	222654001	2.516	Greece	India	Not Applicable
3776610074	222653901	2.584	Greece	India	Not Applicable
3776610075	222653901	2.586	Greece	India	Not Applicable
3776610076	222653901	2.586	Greece	India	Not Applicable
3776610077	222653901	2.434	Greece	India	Not Applicable
3776610078	222653901	2.588	Greece	India	Not Applicable

*We hereby certify that the material described above has been tested and complies with the terms of the confirmation of order.  
 This Test Certificate has been issued via a computerized system and is valid without signature  
 According to AA, ASTM B209/B209M-21, AMS-QQ-A-250/8C and AMS4016M specifications.  
 Without ultrasonic test. Melted and manufactured in Greece.*

Quality Control Department

G. Bagos

19/09/2022