INDUSTRIAS UNIDAS, S.A. DE C.V. (DIV. TUBOS)

CERTIFIED ON QUALITY SYSTEM ISO-9001:2015

CERTIFICATE OF COMPLIANCE

No. 088

SHIPMENT No: 55

CUSTOMER: COMPRESORES SERVICIOS C.A.

DATE: MARCH 13, 2025

MATERIAL DESCRIPTION: ACR TUBE

DESTINATION: VENEZUELA

STANDARD: ASTM B280 / B75

MATERIAL SHIPPED

CODE	NOMINAL SIZE	LENGTH	PALLETS	TUBES	CODE	WALL THICKNESS (in)			
369574	ACR 2-1/ 8" X 0.056"	20'	1/ 30, 1/ 15	45	369574	0.053			
365049	ACR 1-1/ 8" X 0.035"	20'	2/ 100, 1/ 37	237	365049	0.032			
365047	ACR 7/ 8" X 0.032"	20'	1/ 100, 1/ 50	150	365047	0.030			
365045	ACR 3/ 4" X 0.032"	20'	1/ 100, 1/ 50	150	365045	0.030			
365043	ACR 1/ 2" X 0.028"	20'	1/ 170	170	365043	0.026			
365044	ACR 5/ 8" X 0.032"	20'	1/ 140	140	365044	0.030			
369569	ACR 3/ 8" X 0.025"	20'	1/ 110	110	369569	0.024			
365050	ACR 1- 3/ 8" X 0.045"	20'	1/ 50, 1/ 37	87	365050	0.044			
369573	ACR 1-5/ 8" X 0.048"	20'	1/ 30	30	369573	0.046			

CHEMICAL COMPOSITION

NOMINAL SIZE	COPPER %	PHOSPHORUS %
ACR 2-1/ 8" X 0.056"	99.98	0.017
ACR 1-1/ 8" X 0.035"	99.97	0.020
ACR 7/ 8" X 0.032"	99.96	0.024
ACR 3/ 4" X 0.032"	99.95	0.035
ACR 1/ 2" X 0.028"	99.96	0.029
ACR 5/ 8" X 0.032"	99.95	0.035
ACR 3/ 8" X 0.025"	99.98	0.018
ACR 1- 3/ 8" X 0.045"	99.96	0.028
ACR 1-5/ 8" X 0.048"	99.96	0.034
SPEC	99.9 Min.	0.015 - 0.040

MECHANICAL REQUIREMENTS

NOMINAL SIZE	RESIDUES	TENSILE STRENGTH
ACR 2-1/ 8" X 0.056"	0.0056	50,139
ACR 1-1/ 8" X 0.035"	0.0047	64,857
ACR 7/ 8" X 0.032"	0.0046	68,061
ACR 3/ 4" X 0.032"	0.0036	68,387
ACR 1/ 2" X 0.028"	0.0084	65,080
ACR 5/ 8" X 0.032"	0.0067	65,449
ACR 3/ 8" X 0.025"	0.0083	62,402
ACR 1- 3/ 8" X 0.045"	0.0058	63,178
ACR 1-5/ 8" X 0.048"	0.0098	56,310
SPEC	0.038 g/m² Máx.	36,000 PSI Min.

NOTES:

1.- AVERAGE VALUES

2.- EDDY CURRENT TESTED

3.- ALLOY UNS C12200

QUALITY ASSURANCE

INDUSTRIAS UNIDAS, S.A. DE C.V. (TUBES DIVISION) CERTIFIES THAT THE MATERIAL SUPPLIED WITH THIS SHIPMENT HAS BEEN INSPECTED AND TESTED ACCORDING TO APPLICABLE SPECIFICATION AND THAT REPORTS THAT SUPPORT THIS CERTIFICATION ARE ON FILE