ROLDAN, S.A. - Stainless Steels **INSPECTION** TÜVRheinland^e READ OFFICE **CERTIFICATE** CERT FACTORY Santo Tonás do las Olles, S/N Apdo. de Correce 11 PORFERMADA (LEÓN) TEL: +34 987 44 61 00 FAE: -34 987 44 61 01 FAE: de Carriers de Carriers. ntisgo de Compostels, 100-3° 28035 MADRID (ESPAÑA) TEL.: +34 913 98 92 57 FAR: +34 913 98 51 93 E-MAIL: roldan@scerinox.com 3.1 EN 10204 1 DELIVERY NOTE M° 2014/002039 CERTIFICATE Nº 2016/015198 DATE 29/06/2016 SHEET ROLDANAX-339 EM10088:3 { 1.4401/1.4404. } DIMMISTORE 25,00 mm. 0432-CPR-00190-01 ISO hlo LENGTH 4.000 mm. PRODUCT [31] Round bar, ennealed, smooth turned, polished CUSTOMER ORDER RECUEREMENTS EM10088:3 EM ISO 6892-1 56438/June16 TENSILE TEST EW 10272 BOITION AD-2000 W2 AD-2000 W10 ACCORDING TO EN ISO 3651-2 method A: SATISFACTORY WITEOUT OBJETIONS INTERGRANULAR CORROSION WITEOUT OBJECTIONS Spoktrometrical Identity Test: O.K. SURFACE AND DIMENSIONS CONTROL EM ISO 148-1 MATERIAL PREE FROM RADIOACTIVITY EW 10.008:5 IMPACT TEST, SAMPLE DIMENSIONS HEAT ORDER M' WORKS M' MARKS / BOX SAMPLE WBIGHT PRODUCTION PROCESS IMSPECTOR STAMP 18 / RR66918 1074 PL04376 1 LSWI LINT EAF + AOD + CC**R3** TRADE MARK QUALITY INSPECTOR MARKING JUAN JOSE ALVAREZ RODRIGUEZ HEAT MIMBER GRADE (ACX-339) MALITY CONTROL REPRESENTATIVE HECHANICAL PROPERTIES SAMPLE RAMPLE Rp 0,24 Rp 14 3 4 IMPACT STERRORT ISO-V (J) CROSS SECTIONAL ARBA cm.³ A & Agt & Kg / m DINEMBIONS 20°C -196°C 72.07 L-50 L-40 351 53 55 EM XBO 200 500 235 45 100 RECUIREMENTS 377 700 215 CHEMICAL COMPOSITION & CAST 81 Ma Cr N. Mo Ti M Cu Co LINT 0.0160 0.0300 0.0270 0.3230 1.3400 16.7500 10.4000 2.0730 0.0050 0.0470 0.4440 0.1640 FLOW TECHNOLOG TEST CERTIFICAT VERIFIED TRUI COPY OF ORIGIN 16.5000 10.0000 2.0000 0.0300 0.0450 0,0300 1,0000 2.0000 18,5000 13,0000 2,5000 0.1000 OBSERVATIONS EM10088:3 - 1.4401/1.4404. AZSI 316/316L. UNS 831600/831603. ASTM A-182 grade F316L. ASTM A-193 class 1 grade BSM, ASTM A-276 condition A. ASTM A-479 condition A. ASKE SA-182, ASKE SA-183, ASKE SA-276, ASKE SA-479, ASKE BVPC section II part A. MACE MR0175 & MR0103, ASTW A-262 practice E: OK. TRD100 TRB100, AD-2000-W2-W10, DGRL97/23/EC [PED] OTHER TEST RESULTS REQUIREMENTS 1.050 °C AND WATERCOOLED HEAT TREATMONT