



**BUREAU
VERITAS**

**Company Certification
for welding of railway vehicles and components
according to EN 15085-2**

The company **KALMAN, S.A.**

And its welding manufacturer in
Location site (postal address of welding manufacturer):

Poligono Albitxuri, Parcela A1
20870 Elgoibar (Guipúzcoa)
(SPAIN)

Is certified to perform welding under certification level **CL 2** according to EN 15085-2.

Field of application:

Manufacturation of welded parts of railway vehicles Vich welded joints classifies in weld performance classes CP C2 to CPD, CP C1 is included if these welds are checked according to weld inspection class CT1.

Fabricación de componentes soldados de vehículos ferroviarios con uniones soldadas clasificadas según las clases de ejecución de la soldadura CP C2 a CPD, CP C1 si se inspeccionan según CT1.

Range of certification:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
GMAW (Manual)	1 (1.1, 1.2, 1.3, 1.4) and 2	T, P(2,1 to 4,9 mm)	Joint type: BW (Except PG and JL045) D > 150 mm (PA, PB, PC), D > 500 mm
GMAW (Manual)	8	T, P(2,1 to 4,9 mm)	Joint type: BW (Except PG and JL045) D > 150 mm (PA, PB, PC), D > 500 mm
GMAW (Manual)	21, 22, 23	T, P(2,1 to 4,9 mm)	Joint type: BW (Except PG and JL045) D > 150 mm (PA, PB, PC) D > 500 mm
GTAW (Manual)	21, 22, 23	T, P(2,1 to 4,9 mm)	Chapa: BW: PA FW: PA, PB Tubo (Tubo D > 150 mm): BW: PA Tubo rotando eje 0°+ FW:PA Tubo rotando EJE 45°, PB Tubo rotando y eje horiz. o tubo fijo y eje vertical.

Responsible welding coordinator: **AITOR DÍAZ**

Deputy of responsible welding coordinator: ---

Additional welding coordinators: ---

Remarks / Extensions: ---

Certificate No.: **50/50/2G/1/001665**

Valid until: **28/10/2013**

Issued by: Bureau Veritas France, recognized as manufacturer certification body by "Direction Général del Infrastructures (France)

At: **Zaragoza, (Spain)** **November 29th, 2010**

Sebastián Cayetano
Industry Inspector BV Zaragoza

Javier Irigoyen
Technical Manayer BV Spain

