Kestrel Steel Works
HEAVY PLATE MILL · EUROPOORT

Kestrel Steel Works B.V. · Havenweg 14 · 3198 LA Europoort-Rotterdam · Netherlands
Quality Department · +31 (0)10 555 0187 · certificates@kestrel-steel.example
Works no. 0447 · Approved by Notified Body 0038 (PED 2014/68/EU, Annex I 4.3)

Inspection Certificate 3.1

Abnahmeprüfzeugnis 3.1 · acc. to EN 10204:2004 · Certificat de réception 3.1

Certificate no.
MTC-2026-07-18342
Date of issue: 18 July 2026

PURCHASER	**Meridian Valve & Fitting Co.** 812 Industrial Blvd, Toledo, OH 43605, United States	PRODUCT	**Hot-rolled heavy plate, edges as rolled**
PURCHASE ORDER	**PO-48117-MV**	STANDARD / GRADE	**EN 10025-2:2019 · S355J2+N**
WORKS ORDER	**WO 26-07-0932**	DELIVERY CONDITION	**+N (normalized rolled)**
DELIVERY NOTE	**DN 2026-071855 · 17 July 2026**	DIMENSIONS	**20.0 × 2,500 × 8,000 mm**
CONSIGNEE	**Meridian Valve & Fitting Co. – Plant 2, Toledo, OH**	QUANTITY	**15 plates · 47,100 kg (theoretical)**
		STEELMAKING	**BOF, fully killed, fine grain (Al)**

1 · CHEMICAL COMPOSITION — HEAT ANALYSIS (MASS %)

Heat no.	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Al	Nb	V	N	CEV[1)]
EN 10025-2 max.	*0.20*	*0.55*	*1.60*	*0.025*	*0.025*	—	—	—	*0.55*	—	—	—	—	*0.45*
K26-40817	0.16	0.38	1.42	0.014	0.006	0.03	0.02	0.005	0.02	0.034	0.021	0.003	0.0048	0.41
K26-40819	0.15	0.36	1.45	0.012	0.004	0.02	0.02	0.004	0.03	0.031	0.019	0.002	0.0051	0.40
K26-40822	0.17	0.41	1.39	0.016	0.007	0.04	0.03	0.006	0.02	0.029	0.024	0.003	0.0045	0.42
K26-40825	0.14	0.34	1.48	0.011	0.003	0.02	0.01	0.003	0.01	0.036	0.018	0.002	0.0053	0.40
K26-40831	0.16	0.39	1.44	0.013	0.005	0.03	0.02	0.005	0.02	0.032	0.022	0.003	0.0047	0.41

[1)] CEV = C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15 (IIW). Analysis by optical emission spectrometry (OES), laboratory accredited to ISO/IEC 17025.

2 · MECHANICAL PROPERTIES — PRODUCT ANALYSIS, TRANSVERSE TEST PIECES

Heat no.	Plate no.	Pcs	Weight kg	Yield R_{eH} MPa	Tensile R_m MPa	Elong. A %	Impact test temp.	Impact KV_2 (J), individual			KV_2 avg. J
EN 10025-2 min. (16 < t ≤ 40)				*≥ 345*	*470–630*	*≥ 20*	*−20 °C*	*min. individual 19 J (70 %)*			*≥ 27*
K26-40817	P-18342-01	3	9,420	398	541	26.5	−20 °C	112	98	121	110
K26-40819	P-18342-02	4	12,560	412	553	25.0	−20 °C	134	128	141	134
K26-40822	P-18342-03	2	6,280	386	532	27.5	−20 °C	96	87	104	96
K26-40825	P-18342-04	3	9,420	421	560	24.5	−20 °C	152	139	147	146
K26-40831	P-18342-05	3	9,420	404	547	26.0	−20 °C	118	109	125	117

Tensile test acc. to EN ISO 6892-1 (method B), impact test acc. to EN ISO 148-1, Charpy V-notch 10 × 10 mm, sampling acc. to EN 10025-1 Annex A. One tensile test and one set of three impact tests per heat and plate thickness. Ultrasonic testing acc. to EN 10160 class S1/E1: no recordable indications. Marking: heat no., plate no., grade, CE 0038, inspector's stamp — hard-stamped and paint-marked on each plate.

Declaration of compliance. We hereby certify that the material described above has been manufactured, tested and inspected in accordance with the order and the standards stated, and that the results of the specific inspection comply with the requirements of EN 10025-2:2019 for grade S355J2+N. The material is free from radioactive contamination (< 0.1 Bq/g) and no repair welding has been carried out. This certificate was validated by the authorised inspection representative independent of the manufacturing department (EN 10204, 3.1).

KESTREL STEEL WORKS
QA 3.1
EUROPOORT · NL
18·07·2026

H. Verbeek

Authorised inspection representative: Hanneke Verbeek, Quality Department

R. Alvarez

Works laboratory: Rafael Alvarez, Head of Testing