Kardemir Çelik Sanayi A.Ş.

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MILL TEST CERTIFICATE
EN 10204:2004 / 3.1

EN 10025-1:2004 Hot Rolled Products of structural steel- Part 1 General technical delivery conditions

CE 2195-CPR-1405603

Certificate No: / No Du Certificat:	20221024
Date :	24.10.2022
Page :	/1

Your Order No: / *Commande No:*	ORIGINAL	Description of Goods:	PRIME QUALITY HOT ROLLED STEEL IPE IN 6,000 METERS LENGTH (-00 MM / +50 MM) AND 12,000 METERS LENGTH (-00 MM / +100 MM) IN QUALITY ASTM A572 GR50 T2 ACC TO EN 10025
Our Order No: / Notre Commande	GYXBAQ 22-1204	Purchaser : / *Commettant:*	GYJ FERRETERIAS S.A. NIT:800.130.426-3. CARRERA 65B NO12-93 BOGOTA / COLOMBIA TEL: +5712 60078 3

Standard : ASTM

Tolerance :

CHEMICAL COMPOSITION - COMPOSITION CHEMIQUE - CEV = C + Mn/6 + (Cr + Mo + V)/5 + (Cu + Ni)/15

Mechanical Properties - Properties Mechaniques: ASTM A370-19e1

Material: Matière:	Size-Dimension:	Quality / Qualité: Hot Rolled Stuctural Steel	Heat No : No Coulée :	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Cu %	Ti %	Co %	N %	Sn %	Al %	V %	Cb %	B %	Cev %	Yield Point-Limite él. N/mm²	Tensile Strength- Rupture (N/mm²)	Elongation/Allong.(%) (Gauge Lenght L0 = 2)	Hardness - Dureté	Quantity Shipped / Quantité expédiée (MTON)	No Of Bundles X No Of Pieces Per Bundles
IPE	80 MM	ASTM A572 GR50 T2	213410	0,20	0,19	1,14	0,012	0,014	0,130	0,110	0,016	0,31	0,000	0,000	0,008	0,014	0,001	0,017	0,000	0,0000	0,45	370	602	24,9			
IPE	140 MM	ASTM A572 GR50 T2	2200209	0,19	0,20	1,11	0,018	0,020	0,120	0,090	0,022	0,34	0,001	0,011	0,009	0,017	0,001	0,017	0,018	0,0002	0,44	392	578	30,4			
IPE	160 MM	ASTM A572 GR50 T2	2201214	0,15	0,30	1,18	0,011	0,005	0,140	0,120	0,020	0,35	0,002	0,001	0,010	0,017	0,033	0,029	0,001	0,0003	0,42	369	601	28,6			
IPE	160 MM	ASTM A572 GR50 T2	2700984	0,20	0,20	1,08	0,011	0,005	0,140	0,120	0,020	0,31	0,002	0,001	0,008	0,017	0,019	0,018	0,001	0,0002	0,44	372	612	29,2			
IPE	180 MM	ASTM A572 GR50 T2	2200225	0,19	0,17	1,13	0,016	0,018	0,100	0,100	0,020	0,33	0,001	0,010	0,009	0,016	0,001	0,019	0,002	0,0003	0,43	391	578	29,4			
IPE	200 MM	ASTM A572 GR50 T2	213394	0,16	0,20	1,16	0,012	0,015	0,100	0,110	0,017	0,39	0,002	0,010	0,009	0,017	0,001	0,017	0,001	0,0004	0,41	377	556	31,2			
IPE	200 MM	ASTM A572 GR50 T2	2200265	0,17	0,19	1,20	0,011	0,016	0,110	0,130	0,014	0,41	0,001	0,008	0,010	0,018	0,001	0,020	0,002	0,0002	0,43	374	550	31,4			

Tests to verify quality have been carried out - Tests de verification de la conformite de la nuance fournie- OK	Standard for surface : EN10163-3:2004,Class C,Subclass 1	Banding Test -qpro D=2s<180°	Visual Inspection and Dimensional Check -Examen Visuel et Dimensionel de Surface- OK	The Surveyor / L'expert: PEK

Material are manufactured,inspected,tested and sampled in accordance with the requirement of manufacturing standard found satisfactory and comply.

Dimension and material surface appereance result is acceptable and satisfactory.

The test results are in accordance with ASTM

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