

API 5LB/A106B



Steel Grade	Mass fraction, % based on heat and product analyses a,g						
	C max b	Mn max b	P max	S max	V max	Nb max	Ti max
Seamless Pipe							
A	0.22	0.90	0.30	0.30	-	-	-
B	0.28	1.20	0.30	0.30	c,d	c,d	d
X42	0.28	1.30	0.30	0.30	d	d	d
X46	0.28	1.40	0.30	0.30	d	d	d
X52	0.28	1.40	0.30	0.30	d	d	d
X56	0.28	1.40	0.30	0.30	d	d	d
X60	0.28 e	1.40 e	0.30	0.30	f	f	f
X65	0.28 e	1.40 e	0.30	0.30	f	f	f
X70	0.28 e	1.40 e	0.30	0.30	f	f	f
Welded Pipe							
A	0.22	0.90	0.30	0.30	-	-	-
B	0.26	1.2	0.30	0.30	c,d	c,d	d
X42	0.26	1.3	0.30	0.30	d	d	d
X46	0.26	1.4	0.30	0.30	d	d	d
X52	0.26	1.4	0.30	0.30	d	d	d
X56	0.26	1.4	0.30	0.30	d	d	d
X60	0.26 e	1.40 e	0.30	0.30	f	f	f
X65	0.26 e	1.45 e	0.30	0.30	f	f	f
X70	0.26e	1.65 e	0.30	0.30	f	f	f

a. Cu ≤ 0.50% Ni; ≤ 0.50%; Cr ≤ 0.50%; and Mo ≤ 0.15%
b. For each reduction of 0.01% below the specified max. concentration for carbon, and increase of 0.05% above the specified max. concentration for Mn is permissible, up to a max. of 1.65% for grades ≥ B, but ≤ X52; up to a max. of 1.75% for grades > X52, but < X70; and up to a maximum of 2.00% for X70.
c. Unless otherwise agreed Nb + V ≤ 0.06%
d. Nb + V + Ti ≤ 0.15%
e. Unless otherwise agreed.
f. Unless otherwise agreed, Nb + V + Ti ≤ 0.15%
g. No deliberate addition of B is permitted and the residual B ≤ 0.001%