Coded Note Number: **Y2270**
Revision: **C001**
Date: **October 16, 2017**
Title: **HSLA-100 STEEL PLATE CHEMICALS**

This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.
Change from Revision 1338 – Editorial change to reformat to current standard.
Bolded font indicates changed/added content.
[*Text deleted*] inserted in the document indicates the removal of content.

HSLA-100 plates greater than 40.84 pound gauge (1.000 inch thickness) through 66.37 pound gauge (1.625 inch thickness) shall be used with the following chemical composition. This composition is referred to as intermediate chemistry.

Chemical composition (weight percent) (1)

Carbon	0.06
Mangananese	0.75 – 1.18
Phosphorous	0.020
Sulfur	0.004
Silicon	0.40
Nickel	2.25 – 2.75
Chromium	0.45 – 0.75
Molybedum	0.45 – 0.55
Copper	1.00 – 1.30
Columbium	0.02 – 0.08
Aluminum	(2)
Titanium	0.02
Arsenic	0.025
Antimony	0.025
Vanadium	0.030
Tin	0.030
Nitrogen	(3)

(1) Single values are maximum percentages. Except for Carbon and Sulfur, the chemical analysis tolerances as specified in ASTM A6 are to be applied to the product (check) analysis. For elements not listed in ASTM A6, the product analysis shall not exceed the specified maximum.
(2) Minimum acid-soluble Aluminum content of 0.010 percent or minimum total Aluminum content of 0.010 percent or minimum total Aluminum content of 0.015 percent for each ladle of each heat.
(3) For information only.