

U. S. DEPARTMENT OF COMMERCE  
 NATIONAL BUREAU OF STANDARDS  
 WASHINGTON  
 PROVISIONAL CERTIFICATE OF ANALYSIS  
 STANDARD SAMPLE 19F  
 ACID OPEN-HEARTH STEEL, 0.2 CARBON

	<u>Percent</u>
Carbon - - - - -	0.192
Manganese - - - - -	.50
Phosphorus - - - - -	.028
Sulfur - - - - -	.043
Sulfur (Evolution, HCl (1+1) - - - - -	.041
Silicon - - - - -	.206
Copper - - - - -	.151
Nickel - - - - -	.31
Chromium - - - - -	.052
Vanadium - - - - -	.008
Molybdenum - - - - -	.058
Nitrogen - - - - -	.004

(Signed) EDWARD WICHERS, Chief  
 Division of Chemistry

Washington, D. C.  
 May 4, 1954