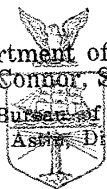


U. S. Department of Commerce  
John T. Connor, Secretary  
National Bureau of Standards  
A. V. Astor, Director



## Certificate of Analysis

Standard Reference Material 25c

Manganese Ore

	<i>Percent</i>
Manganese -----	57.8 <sub>5</sub> *
Available oxygen -----	16.70
Calculated MnO <sub>2</sub> -----	90.73
SiO <sub>2</sub> -----	2.36
P <sub>2</sub> O <sub>5</sub> -----	0.22

\*Based on material dried for 2 hr at 120 °C. The insoluble residue remaining after treatment of this ore with dilute nitric acid (sp. gr. 1.135) and hydrogen peroxide contains a small, variable amount of manganese, of the order of 0.03 percent. In most analyses recovery is therefore not necessary.

WASHINGTON, D.C. 20234  
April 25, 1966

W. Wayne Meinke, Chief  
Office of Standard Reference Materials

(This certificate supersedes certificate of 12-20-56. Editorial revision only.)