

U. S. DEPARTMENT OF COMMERCE  
NATIONAL BUREAU OF STANDARDS  
WASHINGTON, D. C. 20234

PROVISIONAL CERTIFICATE OF ANALYSIS  
STANDARD SAMPLE 1013  
PORTLAND CEMENT

	<u>Percent</u>
SiO <sub>2</sub> -----	24.1 <sub>7</sub>
Al <sub>2</sub> O <sub>3</sub> -----	3.30
Fe <sub>2</sub> O <sub>3</sub> -----	3.07
TiO <sub>2</sub> -----	0.20
P <sub>2</sub> O <sub>5</sub> -----	.20
CaO (+ SrO) -----	64.3 <sub>4</sub>
SrO -----	0.08
MgO -----	1.39
SO <sub>3</sub> -----	1.80
Mn <sub>2</sub> O <sub>3</sub> -----	0.05
Na <sub>2</sub> O -----	.20
K <sub>2</sub> O -----	.32
Li <sub>2</sub> O -----	(.001)
Rb <sub>2</sub> O -----	(.004)
Loss on Ignition -----	.99

Values in parentheses are not certified but are given as added information.

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Building Research Division

Washington, D. C.  
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