

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
WASHINGTON

Provisional Certificate
of Surface Area Analysis of

STANDARD PORTLAND CEMENT

No. 114e

Surface area (Wagner Turbidimeter) 1800 sq cm per gram

Residue on No. 325 sieve, wet method 15.2 percent

The specific surface as determined by the Blaine fineness
meter is 3300 cm²/g. when tested at a porosity of 0.500.

(Signed) LYMAN J. BRIGGS, Director,
G.E.F.L.

Washington, D. C.
December 5, 1944.

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To open, make a deep scratch with file about 1/4 inch from
bottom of vial, then heat point of file red hot and press
the hot point against the scratch. This will cause a
circumferential crack around the bottle after which it is
easily opened by prying apart with the fingers. The operation
should be carried out over a clean sheet of paper in order
to recover any cement that spills.

The specific surface of cement decreases rapidly on being
exposed to the air. Therefore, after opening the container,
the sample must be protected from atmospheric moisture until
time of test. The sample must be used as soon as possible
after opening - in any case within eight hours.