



Ankarin Material Testing Equipment

MAGNESIUM SULFATE WATER BATH

Magnesium sulfate and sodium sulfate tests are conducted to determine the soundness and durability of aggregates intended for use in concrete that will be subjected to repeated freeze-thaw cycles.

In accordance with ASTM standards, sodium sulfate may be used as an alternative to magnesium sulfate. A hydrometer (1100–1200 g/ml) is required when sodium sulfate is used in the test.

The temperature of the test solution is automatically regulated to the desired level by a microprocessor-controlled sensor placed within the lidded containers or the stainless steel immersion tank. The solution temperature is displayed in real-time on a digital screen with a resolution of 0.1°C.

The Magnesium Sulfate / Sodium Sulfate Test Water Bath operates with an accuracy of $(20 \pm 2)^{\circ}\text{C}$. When the immersion tank is removed, the unit can also function as a general-purpose water bath for temperatures ranging from 15°C to 60°C.

It is supplied complete with an immersion tank and lid.

Wire baskets, the wire basket container and lid, the hydrometer, and the magnesium or sodium sulfate must be ordered separately.



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