UTEST
MATERIAL TESTING EQUIPMENT

AGGREGATE

Thermal and Weathering Properties

MAGNESIUM SULPHATE / SODIUM SULPHATE TESTS

Product Code

UTA-0840	Magnesium Sulphate / Sodium Sulphate Test Water Bath
UTW-1008	Density Basket, Ø120 x 160 mm deep 3,35 mm mesh, EN/ASTM
UTGH-1460	Container for Density Basket Ø160 x 200 mm deep, Aluminium for UTW-1008, EN/ASTM
UTW-1017	Density Basket, Ø230 x 260 mm deep 4 mm stainless steel mesh, EN
UTGH-1465	Container for Density Basket Ø270 x 300 mm deep, Aluminium for UTW-1017, EN
UTGG-2415	Hydrometer 1100-1200 g/ml, ASTM
UTGG-2420	Hydrometer 1200-1300 g/ml, EN/ASTM
UTGC-0850	Sodium Sulphate, 1 kg, ASTM
UTGC-0915	Magnesium Sulphate, 1 kg, EN/ASTM

Models for 220-240V 50-60 Hz, 1 ph	UTA-0840
Models for 110-120V 60 Hz, 1 ph.	UTA-0840-N

Standards

EN 1367-2, 13450; ASTM C88; UNI 8520-10; UNE 7136

Magnesium Sulphate and Sodium Sulphate Tests are used for determining the soundness of aggregates when subjected toweathering action such as freezing and thawing in concrete or other applications. Only the specific products are listed above for the test. It should be noted that other equipment like ovens, sieves, balances etc. are also required to perform these tests.

Sodium Sulphate can be used instead of Magnesium Sulphate according to the ASTM standard. UTGG-2415 Hydrometer 1100-1200 g/ml is required for the test with Sodium Sulphate Test.

The temperature of test solution is automaticly adjusted to required temperature with a microprocessor type sensor placed in the water bath. The second sensor can be placed in the lever lid containers or stainless steel immersion container by user.The temperature data of water bath and the temperature test solution are displayed in real time on digital screen with 0.1°C resolution.

Homogenous temperature distribution can be obtain with water circulation pump that makes feedback.

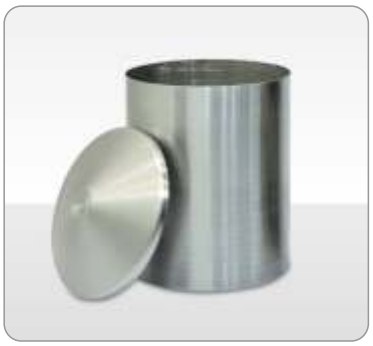
Magnesium Sulfate / Sodium Sulfate Test Water Bath has (20±2) 0C accuracy and can be used as general purpose water bath that temperature is between 15-60 °C temperature

Supplied complete with the immersion container with the cover.

Density Baskets, Container for Density Basket, Hydrometer, Magnesium or Sodium Sulphate should be ordered seperately.

	Dimensions	Weight
UTA-0840	550x750x950 mm	75 kg
Chamber of Bath	560x460x500 mm	--
UTW-1008	Ø120x160 mm	0,20 kg
UTGH-1460	Ø160x200 mm	0,50 kg
UTW-1017	Ø230x260 mm	0,80 kg
UTGH-1465	Ø280x300 mm	1 kg
UTGG-2415	20x20x330 mm	0,1 kg
UTGG-2420	20x20x330 mm	0,1 kg
Immersion Container	330x330x330 mm	4 kg

UTW-1008



UTGH-1460