

Conductivity Standard Solutions

EDT directlON manufacture a range of conductivity calibration solutions to enable the successful and accurate calibration of our conductivity meters and electrodes.

The measurement of conductivity requires that the sample be aqueous and to be of adequate volume to cover the electrode surfaces. It is important that if the samples and standards are not of the same temperature then temperature compensation is required.

Conductivity increases approximately 2% per degree centigrade. Normally the conductivity calibration is carried out on one point. One useful check is that the conductivity in air should be zero as there is no conductive material between the electrodes.

EDT direction conductivity standards are Potassium Chloride solutions in either 100ml or 500ml sealed plastic bottles. For correct use the appropriate volume of standard should be poured into a clean beaker or container. Do not calibrate by placing the conductivity cell in the bottle as this will contaminate the solution.

Following calibration remember to close the bottle to avoid evaporation or contamination and do not pour the used standard back into the bottle.

For routine conductivity measurements in the 0-2000 μ S/cm range it is advisable to use 1413 μ S/cm standard solution.

In cases where the conductivity is in the high range say 2-200 mS/cm the 12.88mS/cm standard should be used.

Low conductivity standards for the 0-200 μ S/cm range can be made by serial dilution of the 1413 μ S/cm standard with 18MegOhm resistance deionized water.

Product Variants:

A3052	Conductivity Calibration Solution	1413 μS/cm	100ml
A3053	Conductivity Calibration Solution	1413 μS/cm	500ml
A3055	Conductivity Calibration Solution	12.88mS/cm	100ml
A3056	Conductivity Calibration Solution	12.88mS/cm	500ml

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Stay in touch with EDT



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