

Saturated Salt for AW

Operation Manual

This saturated salt is used when checking the accuracy or calibrating a sensor-equipped sample container for the water activity analyzer.

! Safety Precautions

- Keep this product away from your mouth and eyes.
- Do not use the product for other applications.
- Keep the saturated salt away from children.
- Avoid high temperatures, storing it at room temperature where it will not be exposed to direct sunlight.
- When disposing of the product, be sure to do so in accordance with instructions given by local authorities.

If You Are Exposed to the Saturated Salt

If it gets into your eyes: Immediately flush the eyes with running water for at least 15 minutes.

If it touches or sticks to your skin: Immediately flush the affected area with a large amount of running water.

If you inhale it: Move to a location with fresh air, rest, blow your nose, and gargle.

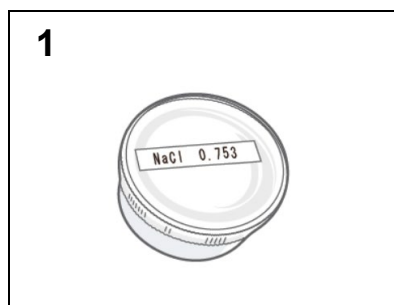
If you swallow it: Rinse out your mouth.

CAUTION: The above-mentioned remedies are only intended as first-aid measures. If symptoms are present even after the above measures, seek medical attention and get medical treatment.

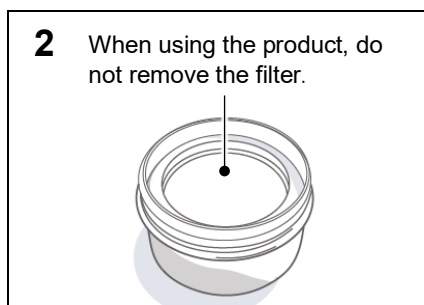
■ Types of Saturated Salt

Item Code	Water Activity (25 °C)	Type of Saturated Salt	Size of Saturated Salt Container
060990-020	0.225	Potassium acetate CH_3COOK	Dia. 40 x 25 mm 20 mL
060990-021	0.328	Magnesium chloride MgCl_2	
060990-022	0.529	Magnesium nitrate $\text{Mg}(\text{NO}_3)_2$	
060990-023	0.753	Sodium chloride NaCl	
060990-024	0.843	Potassium chloride KCl	
060990-025	0.930	Ammonium dihydrogen phosphate $\text{NH}_4\text{H}_2\text{PO}_4$	
060990-026	0.973	Potassium sulfate K_2SO_4	

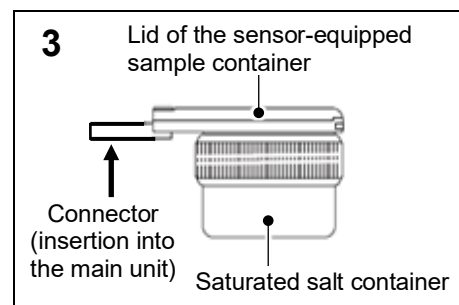
■ Usage Instructions



1 Prepare the saturated salt similar to the sample that you actually want to measure.



2 Remove the lid from the saturated salt container.



3 Attach the saturated salt container to the lid of the sensor-equipped sample container. Next, fasten the lid of the sensor-equipped sample container, and insert it into the water activity analyzer.

- When attaching the saturated salt container to the lid of the sensor-equipped sample container, be careful that the sensor protective filter does not get dirty.

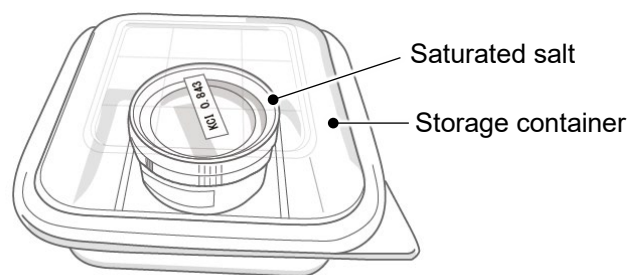
For the measurement procedures, refer to the water activity analyzer operation manual.

■ Storage

Place the saturated salt in the storage container provided, and store it in a cool and dark place.

Do not put it in the refrigerator.

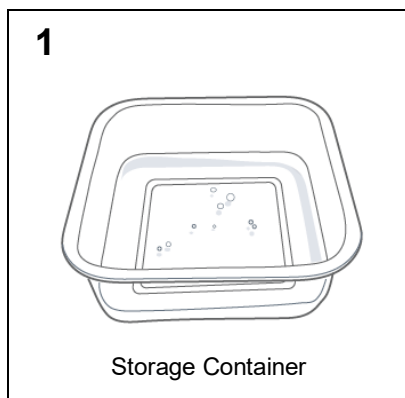
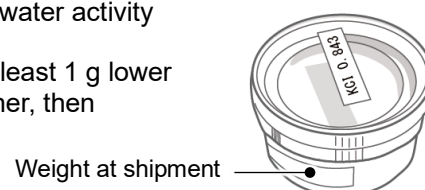
Whenever possible, avoid low humidity environments.



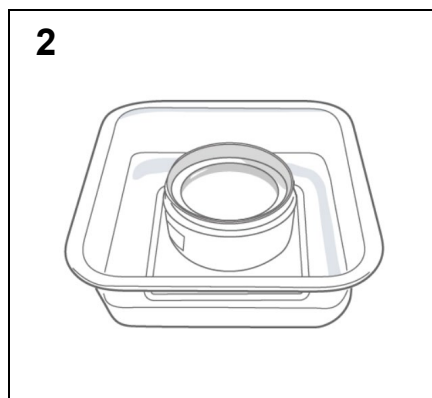
■ Moisture Management for the Saturated Salt

If the moisture in the saturated salt is insufficient, it will no longer provide the water activity noted on the container.

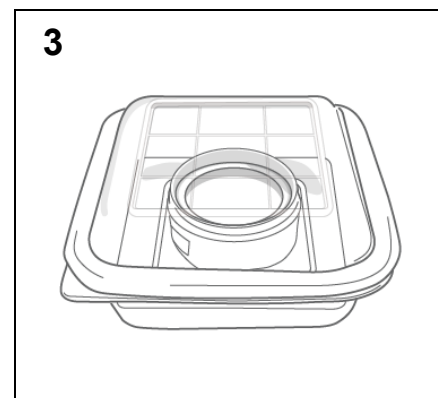
Measure the weight of the saturated salt container (with lid). If the value is at least 1 g lower than the weight at shipment indicated on the side of the saturated salt container, then increase the saturated salt moisture as indicated below.



Add about 1 cm of pure water to the storage container.



Remove the lid from the saturated salt container, and put it into the storage container containing the pure water.



Close the lid on the storage container, and leave it for at least 24 hours in a cool and dark place.

Remove the saturated salt container from the storage container, and check that the weight (including lid) is now at least the value at time of shipment.



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