

ABC 889A PRE-DIP

500-271 & 500-271-1

ABC 889A is used in the direct plating process as a pre-dip before the **ABC 889B**. **ABC 889A** contains a special additive, which prepares the panels for the activation process step and prevent **ABC 889A** contamination.

BATH MAKE-UP FOR 5 LITRE BATH

1. ABC 889A	5 Litres. ABC 889A is a ready-made solution
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PROCESS PARAMETERS

Agitation	Only board movement is recommended.
Capacity	5 litres ready made solution treat 50m ² surface.
Temp	20-25°C
Treatment time	30 seconds

EQUIPMENT REQUIRED

Tanks	PP and PVC tanks are recommended
Hanger	Stainless steel acid proof (Steel 316).
Heaters	Normally not necessary. If needed Teflon coated heaters are recommended.
Ventilation	Not necessary

BATH MAINTENANCE

To compensate water drag in: Take out 500ml. old solution and add 500ml fresh solution **ABC 889A** for each 25m²

Top-up solution with **ABC 889A**

ANALYSIS

Specific gravity should not fall below 1,12 g/cm³ (new solution = 1,18 g/cm³).
To bring the specific gravity to right value take out 10% of the bath and add the same quantity of new **ABC 889A**.

ABC 889A should be analysed periodically to ensure that there is less than 1.000 ppm copper in the bath. If copper is present in excess of 1.000 ppm, replace the entire bath or ladle out and add fresh solution to reduce copper to below 500 ppm.

Method/Procedure:

1. Pipette 10 ml working solution into a 250 ml conical flask.
2. Add 100 ml DI water.
3. Add 2 ml buffer solution pH 10.
4. Add a knife end of Murexide Indicator.
5. Titrate with 0,01M EDTA until the violet ending point.
6. Record ml used to titrate.

Calculation: ml 0,01M EDTA x 63,5 = ppm copper

pH 10 buffer solution (1 litre): 70 g NH₄Cl + 570 ml NH₄OH 25% + Distilled water to volume
Murexide Indicator (200 g): 1 g Murexide + 199 g NaCl

WASTE DISPOSAL

Waste is to be disposed and/or treated according to local regulations.
For more information see MSDS or contact **MEGA ELECTRONICS LTD.**

SAFETY/PRECAUTIONS

Avoid contact with eyes and skin. Wear protective gloves, goggles. If swallowed, give immediately something to drink. Do not induce vomiting. Seek medical advice. In case of skin- or eye contact, rinse immediately with water. In case of eye contact seek medical advice.

PHYSICAL DATA

ABC 889A is a clear solution with a sweet pleasant smell.

STORAGE

Store in room temperature and at a dark place.

Release date : 0293 - updated 10/12

DISCLAIMER

The information relates to the specific material. It may not be valid for such materials used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief accurate and reliable as of the date indicated. However, no warranty guarantee or representing is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.