ABC SALT REMOVER

500-273 / 500-274/ 500-275

ABC SALT REMOVER is used in the direct plating process after the activator step.
ABC SALT REMOVER strongly improves board platability by creating a conductive metallic layer inside the holes.

BATH MAKE-UP FOR 5 LITRE BATH

1. DI water	2 Lt.
2. **ABC 581L (500-273)**	2.15 Lt
3. **ABC 581P (500-274)**	0.5 Lt
4. **ABC 581C (500-275)**	50 ml
5. Add DI water to level	

IMPORTANT to follow the above indicated sequence during the bath make-up.

PROCESS PARAMETERS

Temperature	45 °C
Treatment time	4 minutes
Agitation	Mechanical agitation. Do not use air agitation
Capacity	5 Lt ready made solution **ABC 581** will treat approx. 50 m^2 of board.

EQUIPMENT REQUIRED

Tanks	PP and PVC tanks are recommended
Hanger	Stainless steel acid proof (Steel 316).
Heaters	Teflon or stainless steel
Ventilation	Recommended
Solution movement	Important.
Filtration	Recommended

BATH MAINTENANCE

For each 2.5 m^2 of board:
215 ml **ABC 581L (500-273)**
5 ml **ABC 581C (500-275)**
50 ml **ABC 581P (500-274)**

ANALYSIS

ABC 581P and ABC 581C SALT REMOVER

Method/Procedure:

1. Pipette 10 ml of the **ABC 581** working solution into a 100 ml measuring flask. Dilute to mark with DI water.
2. Pipette 4 ml of this solution into a 250 ml conical flask.
3. Add about 100 ml of DI water.
4. Add 3-5 drops of Methylorange Indicator.
5. Titrate with 0,1 N HCl to red end point. RECORD TITRATE **A**
6. Pipette 4 ml of diluted solution into another 250 ml conical flask
7. Add about 100 DI water.
8. Add approximately 10 ml of Barium Chloride solution (80 g/l)
9. Add 3-5 drops of Phenolphthaline Indicator
10. Titrate with 0,1 N HCl until the colour disappears. RECORD TITRATE **B**

Calculation: (TITRATE **A** – TITRATE **B**) x 5,75 = % **ABC 581L**
(TITRATE **B**) x 21,5 = % **ABC 581P**

Note:
The Phenolphthaline Indicator end point is slow and it is necessary to add the 0,1 N HCl drop wise very slowly close to the end point. If the end point is approached too quickly a too high reading will be obtained.

ABC 581P and **ABC 581L** concentration should be maintained between 80 and 100 %

ADDITION TABLE ABC 581P and ABC 581L
For 5 litre bath

	100 %	90 %	80 %	70 %
ABC 581P	–	50 ml	100 ml	150ml
ABC 581L	–	220ml	440 ml	660 ml

ABC581C

The concentration of **ABC 581C** can be determinate with a colorimeter. An indicated analyse method can be provided from Mega Electronics Ltd., based on the instrument you have.

ADDITION TABLE ABC 581C
For 5 litre bath

	190 ppm	180 ppm	160 ppm	140 ppm
ABC 581C	2.5 ml	5 ml	10 ml	15 ml

SAFETY/PRECAUTIONS

ABC 581C is an alkaline solution and could cause burns to skin and eyes.
Avoid contact with eyes and skin. Wear pr otective 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.

WASTE DISPOSAL

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

PHYSICAL DATA

ABC 581L is a clear solution
ABC 581C is a deep blue solution
ABC 581P is a clear solution

STORAGE
Should not be in contact with acid.
Store in room temperature and at a dark place.

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