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## Antitarnish-A-TITRATION

Antitarnish-A-TITRATION is an additive used to determine the residual concentration of active substance in used Antitarnish-A-100 solutions.

### Usage

Equipment: 250 ml Erlenmeyer flask  
20 ml volumetric pipette  
25 ml burette

Chemicals: Sulfuric acid 30%  
iodine solution 0.1 N  
sodium thiosulfate solution 0.1 N  
Antitarnish-A-TITRATION

Method: Pipet 50 ml of the warm, homogeneous process solution into a 250 ml Erlenmeyer flask mixed with about 10 ml Antitarnish-A-TITRATION and add about 5 ml sulfuric acid (30%).  
Dilute this solution with 50 ml deionised water.  
Add 10 ml 0.1 N iodine solution and shake thoroughly before the sample stands at a dark place for about 15 minutes.  
Titrate the resultant red-brown solution with 0.1 N sodium thiosulfate solution until the red-brown colour changes to the white colour of the original solution.

Calculation: Concentration of Antitarnish-A-100 (ml/l)  
 $= (10 - \text{consumption of } 0.1 \text{ N Na}_2\text{S}_2\text{O}_3) \times 6$

### Delivery Form

Antitarnish-A-TITRATION is delivered in 1 litre-bottles (item-no.: 6008001).

### Hazards Notice

Irritating to skin. Risk of serious damage to eyes.

If swallowed, seek medical advice immediately and show this container or label. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves and eye/face protection.

Further information can be obtained from the material safety data sheet.