

ABI Precious Metals

ABI's Anti-tarnish Dip (ATD3) replenishment instructions

To achieve the maximum tarnish protection the concentration of the solution must be kept at 10%

Reagents needed

- 0.1N iodine
- 0.1N sodium thiosulfate
- starch indicator (1%)

Procedure

- Put 20ml of bath sample into a glass flask
- Add 20 ml 0.1N iodine and let stand for 10 minutes
- Titrate with 0.1N sodium thiosulfate to light yellow
- Add 1 ml starch indicator (1%)
- Continue titration with 0.1N sodium thiosulfate to a colorless endpoint

Titration Calculation

$$\text{ATD3 ml/L} = \frac{150 \times (20 - \text{ml sodium thiosulfate})}{7.5}$$

For more information please contact ABI at 310.679.0600 or abimsr@aol.com

10/11

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