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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

BT-5

CHEMICAL POLISH FOR COPPER

Accu-labs BT-5 is a new formulation acid mixture product used for chemically polishing copper, brass, leaded-brass, nickel silver, Monel, and other copper base alloys. Accu-Labs BT-5 offers improvements and advantages over nitric-sulfuric acid systems.

The transfer time from the BT-5 solution to the first rinse is not critical and a wider range of alloys may be dipped than in nitric-sulfuric baths.

OPERATING GUIDELINES

Concentration:	Use full strength
Time:	10 to 60 seconds typical; until desired luster is obtained.
Tank:	Koroseal, PVC, ceramic crock, polypropylene, glass, polyethylene, & 316 Stainless Steel.
Temperature:	60°-120°F for brass and copper, 140°-200°F for nickel silver and Monel.
Heating & Cooling Coil:	316 Stainless Steel, quartz, tantalum.

Note: Large surface area work loads processed in relatively small volumes of solution will generate heat and cooling may be required.

Ventilation:	Required 100 cfm per square foot of solution surface.
Basket or Racks:	Plastisol coated or stainless steel.
Agitation:	Mild action of work, mild mechanical or air agitation recommended.

TYPICAL CYCLE

1. Soak Clean to remove any soils and oils.
2. Cold water rinse.
3. Electroclean (optional)
4. Cold water rinse thoroughly drain well and shake off excess water.
5. Accu-Labs BT-5 chemical polish. Use mild agitation.
6. Rinse
7. Hot air dry; passivate, plate or coat as required.

SOLUTION CONTROL

Typically 125 square feet of copper can be processed per gallon of Accu-Labs BT-5.

When the desired bright finish cannot be obtained, increase the immersion time. If this fails, discard about 25% of the solution and replace with fresh BT-5.

It is important to minimize water drag-in since this will interfere with the polishing action and shorten the useful solution life. Best results will be obtained when dry work is processed.

SAFETY: Accu-Labs BT-5 is a strong acid mixture that contains nitric acid. Use eye protection and personal protective gear when handling or working with this product. Read and review the Material Safety Data Sheet for the appropriate health and safety warnings before use. This product is a strong acid. VAPOR EXTREMELY HAZARDOUS. May cause nitrous gas poisoning, do not inhale fumes. Use in a properly ventilated area.

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