ACCU-LABS INC.

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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

137
HEAVY DUTY SOAK/ELECTRO CLEANER

ACCU-LABS 137 is a silicate-free alkaline, heavy duty soak/electroclean powder compound for use on steel parts before electroplating. It has excellent detergent properties, free rinsing and long operating life. Having excellent conductivity, it is especially suited for high current density operation. **ACCU-LABS 137** is ideally is ideally suited for cleaning and electrocleaning steel, brass, and copper parts.

ACCU-LABS 137 generally provides all of the alkaline cleaning required for the majority of applications. The unique formulation prevents redepostion of oils and soils on plastic barrels and racks.

MAKEUP: ACCU-LABS 137 is a highly alkaline, free flowing, powder mixture packaged in drums. Tanks should be filled ¾ full with water and heated to 120 - 130°F. Add required quantity slowly while stirring. When totally dissolved, bring to operating level and heat to operating temperature.

TYPICAL OPERATING GUIDELINES:

Concentration	6 - 16 oz/gal Accu Labs 137
Temperature	120 - 200°F
Time	½ - 3 minutes
Current density	50 - 200 ASF

ANALYTICAL CONTROL:

Titrate a 10 ml sample of the cleaning solution with 1.0 N HCL. Add 50 ml deionized water and 5 drops of phenolphthalein indicator and titrate to a pink to clear end point.

Ml of 1.0 Normal Hydrochloric Acid x .71 = oz/gal ACCU-LABS 137

HANDLING CONSIDERATIONS:

ACCU-LABS 137 is highly alkaline and can cause severe burns. Avoid direct contact with skin and eyes. Wear protective clothing and eye protection. Flush exposed areas with clean, clear water. Consult a physician for medical attention. Read the Material Safety Data Sheet for this product before using.

NOTICE OF DISCLAIMER:

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