Laser® Brilliant Dip NS

Laser Brilliant Dip NS is an acidic liquid concentrate designed to accomplish in one step, the removal of the oxide film produced in the laser chemical polishing, removal of lead sulfate residue common to leaded brass alloys, and the elimination of redness occasionally found on brass after the conventional sulfuric acid brilliant dip.

Features & Benefits

Versatile	Effective on all copper-based alloys
Highly Concentrated	Small storage footprint
Long bath life	Less wastewater impact lower cost to use
Removes lead sulfate films	Less rejects, higher productivity

Typical Applications

- Removal of lead compound from brass
- Cleaning and deoxidizing of copper alloys
- Brightening of copper alloys
- Removal of oxide films

Operating Conditions

Concentration	5% – 10%
Temperature	70°F – 100°F
Time	As required
Equipment	Tanks should be constructed of Stainless Steel, Polypropylene or other acid resistant materials.

Titration Method

1. Pipet 10 mL of cooled bath sample into a 250 mL flask.
2. Add about 75 mL water.
3. Add 5 drops Phenolphthalein indicator.
4. Titrate with 1.0 N Sodium Hydroxide until solution color turns pink.
5. Record mL used.

Calculation

Concentration = mL 1.0 N NaOH x 0.60

Test Kit Method

1. By means of the dropper pipet transfer 2.0 mL of the Laser Brilliant Dip NS production solution to the 150 mL beaker. Add 5 to 10 mL water.
2. Add 6 to 8 drops of Phenolphthalein indicator.
3. Add the 12.0 N Sodium Hydroxide from the dropping bottles, counting the drops while constantly swirling the solution until a permanent pink to red color develops.
4. Record the number of drops used.

Calculation

Concentration = # Drops 12.0 N NaOH x 1.25

Waste Disposal

Discharge to a disposal system. To be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Consult Laser Brilliant Dip NS SDS before handling this product. Avoid contact with skin and eyes. Wear protective clothing, goggles and rubber gloves. Flush exposed areas immediately with clean, cold water. In case of injury, contact a doctor immediately.

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For more information on this process,
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Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].