

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
DateRun: 07/01/2002
Experimenters: Jason Marshall
ClientType: Optical Manufacturer
ProjectNumber: Project #2
Substrates: Stainless Steel
PartType: Part
Contaminants: Adhesive
Cleaning Methods: Immersion/Soak
Analytical Methods: Visual

Purpose: To evaluate immersion cleaning for adhesive removal from stainless steel parts.

Experimental Procedure: Two cleaners from the previous trial were used at room temperature (85 F) at full strength. One stainless steel part was immersed into each solution. Observations were made at 5, 10 and 30 minutes. The parts were wiped at each interval to determine if the adhesive could be easily removed.

| Results: | Cleaning Product | Observations |
|----------|------------------|---|
| | Bio T Max | 5 min - Softening the adhesive |
| | | 10 min - Rub off with towel |
| | | 30 min - Effective removal with rubbing |
| | Opti Clear | 5 min - No signs of cleaning |
| | | 10 min - Still no signs of cleaning |
| | | 30 min - Some removal with rubbing |

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|----------|----------------------|----------------------|-----------------|--------------------|---|
| Summary: | Substrates: | | Stainless Steel | | |
| | Contaminants: | | Adhesive | | |
| | Company Name: | Product Name: | Conc.: | Efficiency: | Effective: |
| | Bio Chem Systems | Bio T Max | 100 | | <input checked="" type="checkbox"/> |
| | National Diagnostic | Opti Clear | 100 | | <input checked="" type="checkbox"/> |
| | | | | | Observations: |
| | | | | | Effective with rubbing after 30 minutes |
| | | | | | Moderately successful in removing with rubbing after 30 minutes |

Conclusion: The Bio T Max was more successful than the Opti Clear when using a combination of soaking and rubbing.