

CASE STUDY

MESALAMINE CLEANING

Using Chematic® 82



CURRENT CLEANING CHALLENGE





Inefficient cleaning of Mesalamine Residue

- Regular cleaners cannot effectively clean the Active Pharmaceutical Ingredient (API)
- Hidden residues left behind that turns dark with time
- Hidden residues result in cross contamination and staining of equipment and manufacturing area

CHEMATIC® SOLUTIONS & RESULTS

Chematic® Effectively Cleans Mesalamine

- Mesalamine dissolves in the formulated detergent and can be cleaned easily from the surfaces
- No hidden residues left behind, thus, no darkening or staining observed
- No chance of cross contamination or batch failure with validated cleaning using Chematic® 82

	PROBLEM	GOAL	RESULT
 TIME	5 - 15 hours manual cleaning, variable cleaning times	Reduce cleaning time	2 - 5 hours (based on equipment size & cleaning process)
 ACTION	Manual scrub application causing equipment damage. Multiple re-cleaning required	Eliminate/Minimize scrubbing Decrease manual labor	No manual scrubbing needed if CIP/WIP available No requirement of Re-cleaning
 CHEMISTRY	High alkaline liquid detergent followed by solvents to dissolve and remove API	Minimize cleaning cycles by cleaning API & excipient in a single detergent step	Chematic® 82 eliminated need for multiple detergents
 TEMPERATURE	50°C detergent temperature not suitable for manual cleaning	Decrease in temperature	Works at ambient temperatures (20°C-40°C)

CHEMATIC® CLEANER ADVANTAGE

- No cross-contamination and staining due to hidden residue
- Substantial Reduction in total cleaning time
- Increased production capacity by decrease in downtime
- Minimized manual scrubbing of the equipment, filter bag & manufacturing area
- Robust Cleaning with hard water
- Single detergent cleaning



Dober partners with IMCD India a leading global chemical distributor for the supply of Chematic Brand detergents