

Where, Why, What and How to Analyze

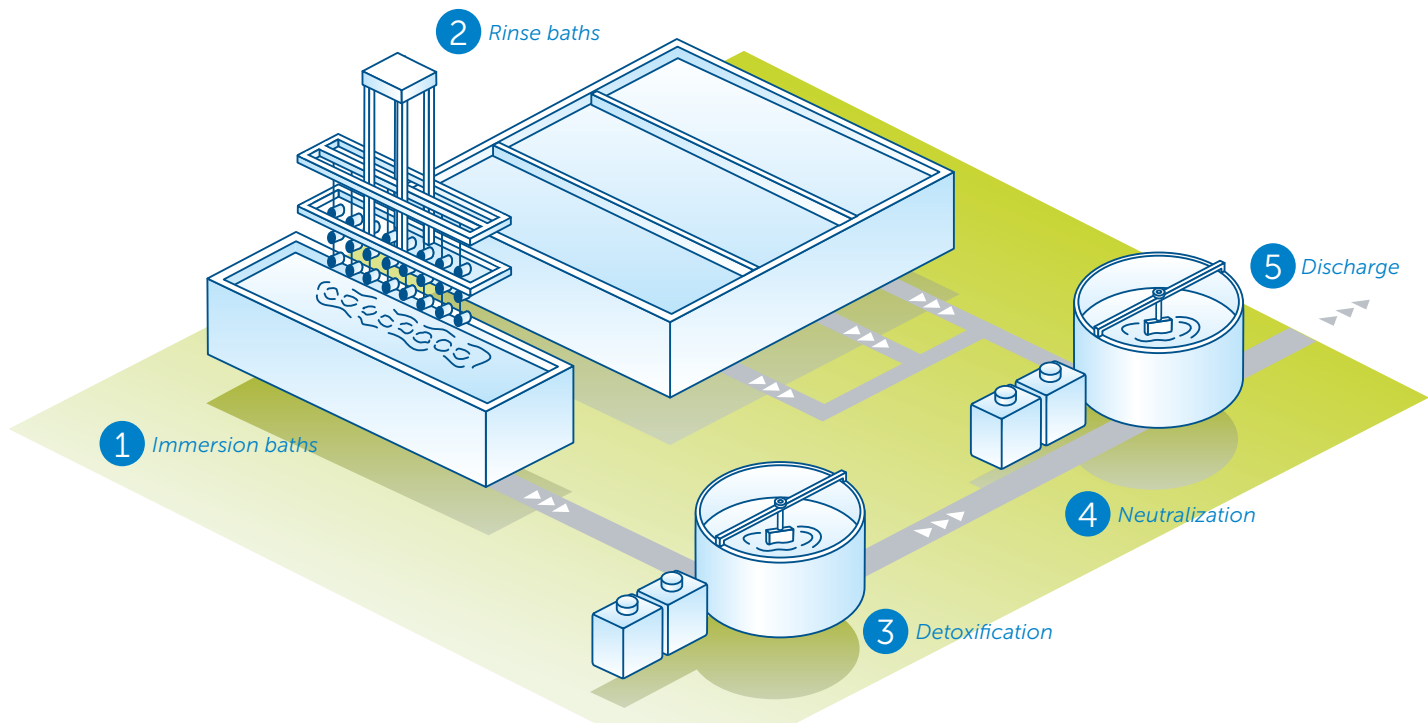
You need to be sure:

- That your products comply to your high quality standards
- That your production runs efficiently without unplanned interruptions
- That your wastewater complies to regulatory requirements.

This means that the analytics processes and products you rely on to make informed decisions must be accurate, reliable, and informative all the time.

The Hach® analytics portfolio is designed to give you confidence. From a simple, dedicated meter to on-line measurement or wastewater treatment optimization, our solutions are based on years of innovation and a desire to provide the simplest way to results you can trust. Our products, application support, and local service help you achieve:

- Maximized uptime of equipment and production
- Consistent, high quality finished products
- Analytics solutions that give a real return on your investment



Where	Why	What*	How
1 Immersion baths	Quality control/production performance, to ensure products comply to specifications and to extend bath service life	Chrome bath color	▶
		Copper bath color	▶
		Nickel bath color	▶
		pH value	▶ ●
2 Rinse baths	Process efficiency, to detect carryover, optimize rinse steps, and to monitor reusability of rinse water	Conductivity	▶ ●
		pH value	▶ ●
		Cyanide	▶
		Metal ions	▶
3 Detoxification	Process efficiency/environmental safety, to monitor correct elimination of cyanide and nitrite	Cyanide	▶
		Nitrite	▶
		pH value	▶ ●
		Redox potential	▶ ●

▶ Lab analysis ● On-line analysis

Where	Why	What*	How
4 Neutralization	Regulatory compliance, monitor treatment process performance, and ensure compliance with legal limit values	Conductivity	▶●
		pH value	▶●
		Redox potential	▶●
5 Discharge	Regulatory compliance, monitor wastewater quality, and ensure compliance with legal limit values	AOX	▶
		Chlorine free and total	▶●
		Cyanide	▶
		Nitrite	▶
		Sulfide	▶
		Surfactants	▶
		Cadmium	▶
		Cobalt	▶
		Copper	▶
		Chromium, Chromium VI	▶
		Lead	▶
		Nickel	▶
		Silver	▶
		Tin	▶
		Zinc	▶
Zirconium	▶		

▶ Lab analysis ● On-line analysis

* For additional parameters and solutions please contact your local Hach representative or visit our website: hach.com.



Benchtop and portable instruments for lab analysis, with special tests for plating baths
Inspection, maintenance, and equipment qualification services available



Controllers and sensors for on-line analysis

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