

		2021-2024	2025-2029	2030-2034	2035-2039	Recommendation for WWR based on international guidelines	Source (International guideline)
		2021-2024 2025-2029 2030-2034 2035-2039	2021-2024 2025-2029 2030-2034 2035-2039	2021-2024 2025-2029 2030-2034 2035-2039	2021-2024 2025-2029 2030-2034 2035-2039		
Temperature 温度	°C	NA	24	24.1		increase < 1	International France Cooperation: Environmental, Health, and Safety Guidelines - Effluent Levels for Metal, Plastic, and Rubber Products Manufacturing
Microbials 微生物	mg/l	NA	NA	NA		100	Code of Federal Regulations Other safe drinking water act regulations
Suspended solids (SS) 悬浮物	mg/l	40	NA	3.06		30-50	Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level International France Cooperation: Environmental, Health, and Safety Guidelines - Effluent Levels for Metal, Plastic, and Rubber Products Manufacturing
TP 总磷	mg/l	7.4	NA	0.46		0.1-0.1	Code of Federal Regulations Other safe drinking water act regulations
Dissolved iron (Fe) 铁离子	mg/l	NA	NA	NA		0.1-0	Code of Federal Regulations Other safe drinking water act regulations
Dissolved manganese (Mn) 锰	mg/l	NA	NA	NA		0.05	International France Cooperation: Environmental, Health, and Safety Guidelines - Effluent Levels for Metal, Plastic, and Rubber Products Manufacturing
Ammonia (NH ₃ -N) 氨氮	mg/l	NA	NA	NA		1.1	Code of Federal Regulations Other safe drinking water act regulations
Copper (Cu) 铜	mg/l	NA	0.00617	NA		0.1-2	Absolutely/Allegedly Germany (Bottlewater Long Act) WHO Guidelines for drinking water quality
Zinc (Zn) 锌	mg/l	NA	0.049	NA		0.2-2	Absolutely/Allegedly Germany (Bottlewater Long Act) International France Cooperation: Environmental, Health, and Safety Guidelines - Effluent Levels for Metal, Plastic, and Rubber Products Manufacturing
Hexavalent Chromium (Cr ₆) 六价铬	mg/l	NA	ND	0.044		0.05	Regulations for chromium emissions to the aquatic environment in Europe (Guidelines on the limit value (LVL))
Total Chromium (Cr) 总铬	mg/l	NA	0.0346	0.03		0.05	Regulations for chromium emissions to the aquatic environment in Europe and elsewhere https://eur-lex.europa.eu/eli/dir/2013/7782
Cadmium (Cd) 镉	mg/l	NA	NA	0		0.001-0.005	WHO Guidelines for drinking water quality Absolutely/Allegedly Germany (Bottlewater Long Act)
Mercury (Pb) 汞	mg/l	NA	0.00117	0.00075		0.001	Absolutely/Allegedly Germany (Bottlewater Long Act) WHO Guidelines for drinking water quality
Lead (Pb) 铅	mg/l	NA	NA	0.05		0.01-0.05	Absolutely/Allegedly Germany (Bottlewater Long Act)
Mercuric (Hg) 汞	mg/l	NA	12	NA		2	International France Cooperation: Environmental, Health, and Safety Guidelines - Effluent Levels for Metal, Plastic, and Rubber Products Manufacturing
Mercuric (Pb) 汞	mg/l	NA	NA	0.0011		0.01-0.1	International France Cooperation: Environmental, Health, and Safety Guidelines - Effluent Levels for Metal, Plastic, and Rubber Products Manufacturing
Mercuric (Fe) 汞	mg/l	NA	NA	NA		0.01	WHO Guidelines for drinking water quality
Mercuric (Ni) 汞	mg/l	NA	40.01	NA		0.01	Absolutely/Allegedly Germany (Bottlewater Long Act)
Cobalt (Co) 钴	mg/l	NA	0.00104	NA		0.04 (chronic) - 0.11 (acute)	TECHNICAL REPORT - WATER QUALITY GUIDELINES FOR COBALT, page 22 (https://www.epa.gov/epaonline/groundwater-protection-and-sustainable-water/water-quality-guidelines/approved-technology-and-use)
Cyanide (CN) 氰化物	mg/l	NA	NA	NA		0.01	Thresholds defined by reference to "Technical criteria without established wastewater quality standard" (p. 76)
Chloride (Cl ⁻) 氯化物	mg/l	NA	NA	NA		0.01-0.1	WHO Guidelines for drinking water quality
Fluoride (F ⁻) 氟化物	mg/l	NA	NA	NA		1.5	WHO Guidelines for drinking water quality
Trichloroethylene (TCE) 三氯乙烯	mg/l	NA	NA	NA		0.1	WHO Guidelines for drinking water quality
Ammonia Nitrogen (NH ₃ -N) 氨氮	mg/l	7.49	NA	NA		1.1	WHO Guidelines for drinking water quality
Nitrate (NO ₃ -N) 硝酸盐	mg/l	NA	NA	NA		20	BAT Reference Document on Waste Water and Waste Gas Treatment/ management in the chemical industry. Umweltbundesamt Germany
Nitrite (NO ₂ -N) 亚硝酸盐	mg/l	NA	NA	NA		0.6	BAT Reference Document on Waste Water and Waste Gas Treatment/ management in the chemical industry. Umweltbundesamt Germany
Total Nitrogen (TN) 总氮	mg/l	18.2	NA	NA		10	Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level
BOD ₅ 五日生化需氧量	mg/l	66.1	NA	1.83		15	Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level
COD 化学需氧量	mg/l	210	NA	8.48		100 (acute discharge) 100 (average to wastewater treatment plant)	Absolutely/Allegedly Germany (Bottlewater Long Act) Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level
Mercury (total) 总汞	mg/l	NA	NA	NA		1	Thresholds defined by reference to "Technical criteria without established wastewater quality standard" (p. 76)
Mercuric 汞	mg/l	NA	NA	NA		0.15	BAT Reference Document on Waste Water and Waste Gas Treatment/ management in the chemical industry. Umweltbundesamt Germany
Oil 油类	mg/l	0.19	NA	0.01		10	Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level
Total Calcium 总钙	mg/l	NA	2,414 ¹	10		400 (acute)/100 (avg)	Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level
Total Magnesium 总镁	mg/l	NA	2,414 ¹	10		400 (acute)/100 (avg)	Water S&I & Sustainability - Platinum 7.10 Optimizing Effluent and Sludge Quality at the Facility Level
Total Sulfate 总硫酸盐	mg/l	40	NA	1.21			
Total organic carbon 总有机碳	mg/l	17.1	NA	NA			
Total organic nitrogen 总有机氮	mg/l	1.92	NA	NA			
Total and volatile of 总挥发	mg/l	0.47	NA	0.08			