

17 PARAMETERS - ASEAN MARINE WATER QUALITY CRITERIA

[adopted by the ASEAN Environment Ministers at the 7th Informal ASEAN Ministerial Meeting on the Environment (IAMME) on 20 November 2002 in Vientiane, Lao PDR]

For Aquatic Life Protection		
Parameters	Criteria Values	Notes
Ammonia	70 µg L ⁻¹	
Cadmium	10 µg L ⁻¹	
Chromium (VI)	50 µg L ⁻¹	Criteria value proposed by CPMS-II is 48 µg L ⁻¹ . The meeting recommended adoption of 50 µg L ⁻¹ , following the existing national standards of member states
Copper	8 µg L ⁻¹	As the proposed values 2.9 µg L ⁻¹ is too stringent, the Meeting agreed to use rounded-up value of 7.7 µg L ⁻¹ , the product of the lowest LOEC from a chronic study 77 µg L ⁻¹ for reproduction for <i>Mysidopsis bahia</i> and a safety factor of 0.1
Temperature	Increase not more than 2C° above the maximum ambient temperature	
Cyanide	7 µg L ⁻¹	
Dissolved Oxygen	4 mg L ⁻¹	
Lead	8.5 µg L ⁻¹	
Mercury	0.16 µg L ⁻¹	
Nitrate (NO ₃ -N)	60 µg L ⁻¹	A single criteria value should be derived for Nitrate and Nitrite combined in the future
Nitrite (NO ₂ -N)	55 µg L ⁻¹	
Oil and Grease	0.14 mg/L	Other related parameters, e.g. PAH, should be included in future monitoring
Total Phenol	0.12 mg L ⁻¹	
Phosphate (PO ₄ ³ -P)	15 µg L ⁻¹ (coastal) 45 µg L ⁻¹ (estuarine)	
Tributyltin	10 ng L ⁻¹	
Total Suspended Solids	Permissible 10% maximum increase over seasonal average concentration	

For Human Health Protection

Parameter	Criteria Values	Notes
Bacteria	100 faecal coliform 100 mL ⁻¹ 35 enterococci 100 mL ⁻¹	Coastal water quality for recreational activities
