

Regulation Values for Sick Building Syndrome Across Countries

Country/Region	Substance	Regulation Value	Unit	Approximate ppm Value	Source	Data Updated
United States	Formaldehyde	0.1 ppm (Long-term)	ppm	0.1 ppm	Environmental Protection Agency (EPA)	2023
EU (European Union)	Formaldehyde	0.1 mg/m ³ (Long-term)	mg/m ³	~0.08 ppm	European Commission	2023
Japan	Formaldehyde	0.08 ppm (Residential)	ppm	0.08 ppm	Japanese Industrial Standards (JIS)	2023
China	Formaldehyde	0.1 mg/m ³ (Office)	mg/m ³	~0.08 ppm	National Standard GB/T 18883-2002	2023
South Korea	Formaldehyde	0.1 ppm (Office)	ppm	0.1 ppm	Korean Standard KOSHA	2023
Indonesia	Formaldehyde	0.1 mg/m ³ (Office)	mg/m ³	~0.08 ppm	Indonesian National Standards (SNI)	2023
Malaysia	Formaldehyde	0.1 mg/m ³ (Residential)	mg/m ³	~0.08 ppm	Malaysian Standard MS 1332:2018	2023
Thailand	Formaldehyde	0.1 mg/m ³ (Residential)	mg/m ³	~0.08 ppm	Thai Industrial Standard TIS 2201-2547	2023
Philippines	Formaldehyde	0.1 mg/m ³ (Residential)	mg/m ³	~0.08 ppm	Philippine National Standards (PNS)	2023
United States	TVOC	500 µg/m ³ (Short-term)	µg/m ³	~0.5 ppm	Environmental Protection Agency (EPA)	2023
EU (European Union)	TVOC	300 µg/m ³ (Long-term)	µg/m ³	~0.3 ppm	European Commission	2023
Japan	TVOC	400 µg/m ³ (Residential)	µg/m ³	~0.4 ppm	Japanese Industrial Standards (JIS)	2023
China	TVOC	600 µg/m ³ (Office)	µg/m ³	~0.6 ppm	National Standard GB/T 18883-2002	2023
South Korea	TVOC	500 µg/m ³ (Office)	µg/m ³	~0.5 ppm	Korean Standard KOSHA	2023
Indonesia	TVOC	500 µg/m ³ (Short-term)	µg/m ³	~0.5 ppm	Indonesian National Standards (SNI)	2023
Malaysia	TVOC	500 µg/m ³ (Short-term)	µg/m ³	~0.5 ppm	Malaysian Standard MS 1332:2018	2023
Thailand	TVOC	400 µg/m ³ (Short-term)	µg/m ³	~0.4 ppm	Thai Industrial Standard TIS 2201-2547	2023
Philippines	TVOC	400 µg/m ³ (Short-term)	µg/m ³	~0.4 ppm	Philippine National Standards (PNS)	2023

*Based on data collected by our company. For the latest regulatory values, please refer to the official agencies and related documents of each country.