

Table 1. Mandatory national standard for musical instruments, GB 28489-2022

See below for harmful substance limit requirements:

No.	Harmful Substances		Limit Requirement		Application
			Cat. A	Cat. B	
1	Phthalates	Total of DEHP, DBP, BBP	≤0.1%		Instruments, accessories and indoor packaging made of plastic materials
		Total of DINP, DIDP, DNOP	≤0.1%	—	
2	Polycyclic aromatic hydrocarbons (PAHs)	Benzo[a]pyrene (BaP)	≤0.2 mg/kg	<1 mg/kg	Instruments, accessories and indoor packaging
		Total of 16 PAHs	≤1 mg/kg	<10 mg/kg	
3	Migratable elements	Lead	≤90 mg/kg		Instruments, accessories and indoor packaging that are accessible under normal usage
		Chromium	≤60 mg/kg		
		Cadmium	≤75 mg/kg		
		Mercury	≤60 mg/kg		
		Antimony	≤60 mg/kg	—	
		Selenium	≤500 mg/kg	—	
		Barium	≤1000 mg/kg	—	
		Arsenic	≤25 mg/kg	—	
4	Benzene compounds	Toluene	≤0.20 mg/m ³		Instruments, accessories and indoor packaging which contain wood, textiles, adhesives or coating materials
		Xylene	≤0.20 mg/m ³		
		Benzene	≤0.11 mg/m ³		
	Total volatile organic compounds	≤0.60 mg/m ³			
	Formaldehyde	≤0.08 mg/m ³			
5	Aromatic amine dyes		Not allowed		Instruments, accessories and indoor packaging made of wood, textiles or leather
6	Tetrachlorophenol (TeCP)		Not allowed		
7	Pentachlorophenol (PCP)		Not allowed		Instruments, accessories and indoor

			packaging made of textiles or leather	
		≤5 mg/kg	Instruments, accessories and indoor packaging made of wood	
8	Cadmium	≤0.01 %	Electronic musical instruments and electronic components in instruments	
	Lead	≤0.1 %		
	Mercury			
	Hexavalent chromium			
	Polybrominated biphenyls			
	Polybrominated diphenyl ethers			
9	Natural radionuclides	Natural radionuclides radium-226, thorium-232, potassium-40	Internal irradiation index $I_{ra} \leq 1.0$, external irradiation index $I_{\gamma} \leq 1.0$	Instruments made of stone or ceramic materials

Products manufactured or imported prior to January 1, 2024, are granted a transition period of one year. Compliance with this standard is obligatory from January 1, 2025, at the latest.

Products manufactured or imported after January 1, 2024, must comply with this standard before being placed onto the market.