

Status of JIS / ISO establishment of photocatalyst performance evaluation test method
(the year in parentheses is the year of establishment or the latest revision year)

(As of February 2021, according to the Photocatalyst Industry Association of Japan Standardization Committee)

Classification	Test Method	Ultraviolet Light		Visible Light Responsive Type	
		JIS Number	ISO Number	JIS Number	ISO Number
Self Cleaning	Water contact angle	R1703-1 (2020)	ISO 27448 (2009)	R1753 (2013)	ISO 19810 (2017)
	Methylene blue decomposition	R1703-2 (2014)	ISO 10678 (2010)	-	-
	Rezazulin ink decomposition	-	ISO 21066 (2018)	-	-
Air Purification (flow method)	Nitrogen oxides	R1701-1 (2016)	ISO 22197-1 (2016)	R1751-1 (2013)	ISO 17168-1 (2018)
	Acetaldehyde	R1701-2 (2016)	ISO 22197-2 (2019)	R1751-2 (2013)	ISO 17168-2 (2018)
	Toluene	R1701-3 (2016)	ISO 22197-3 (2019)	R1751-3 (2013)	ISO 17168-3 (2018)
	Formaldehyde	R1701-4 (2016)	ISO 22197-4 (2013)	R1751-4 (2013)	ISO 17168-4 (2018)
	Methyl mercaptan	R1701-5 (2016)	ISO 22197-5 (2013)	R1751-5 (2013)	ISO 17168-5 (2018)
Air Purification (chamber method)	Formaldehyde	-	-	R1751-6 (2020)	ISO 18560-1 (2014)
Water Quality	Dimethyl sulfoxide	R1704 (2007)	ISO 10676 (2010)	-	-
Oxidation Reaction Activity (underwater method)	Dissolved oxygen (phenol decomposition)	R1708 (2016)	ISO 19722 (2017)	-	-
	Total Organic Carbon (TOC)	R1711 (2019)	ISO 22601 (2019)	-	-
Antimicrobial	Antibacterial	R1702 (2020)	ISO 27447 (2019)	R1752 (2020)	ISO 17094 (2014)
	Real environment antibacterial (semi-dry method)	-	-	-	ISO 22551 (2020)
	Antifungal	R1705 (2016)	ISO 13125 (2013)	-	-
	Algae proof	Under Construction	ISO 19635 (2016)	-	-
	Antiviral	R1706 (2020)	ISO 18061 (2014)	R1756 (2020)	ISO 18071 (2016)
Complete Decomposition	Acetaldehyde decomposition	-	-	R1757 (2020)	ISO 19652 (2018)
Light Source	Standard light source	R1709 (2014)	ISO 10677 (2011)	R1750 (2012)	ISO 14605 (2013)
	LED light source	-	Under Construction	-	DIS 24448

* AWI (new work item) → WD (work draft) → CD (committee draft) → DIS (international standard draft) → FDIS (final international standard draft) → ISO establishment steps