

## Japan Eco Leather Standard

Parameter	Criteria	
	SILVER	BRONZE
	(Certification Level)	
Odour	grade 3 or less	
Formaldehyde	16mg/kg	75mg/kg
Extractable metals		
Lead(Pb)	0.8mg/kg	
Cadmium(Cd)	0.1mg/kg	
Nickel(Ni)	1.0mg/kg	4.0mg/kg
Cobalt(Co)	1.0mg/kg	4.0mg/kg
Chromium VI	not detectable *1	
Chromium VI, 80°C heat aging *2	not detectable *1	–
Chromium	200mg/kg	
Lead(Pb), total content	90mg/kg	–
Certain aromatic amines	not detectable *3	
Nonylphenol(NP), mixed isomers	10mg/kg	–
Nonylphenol ethoxylates(NPEO)	100mg/kg	–
Short-chain Chlorinated Paraffins(SCCPs)(C10-C13)	1,000mg/kg	–
Colour fastness to rubbing(staining) *4	Dry, at least grade 3-4	
	Wet, at least grade 2-3	

\* 1 Detection limit 3.0mg/kg

\* 2 ISO 10195:2018

\* 3 Detection limit 30mg/kg

\* 4 Pigmented Leather only

Note 1) For information on testing methods, see the "Japan Eco Leather Certification Standard-2023."

Note 2) In addition to submitting the aforementioned test results, please declare in "Declaration 1: Declaration of Application for Japan Eco Leather Certification" and confirm in submitted Safety Data Sheets(SDS) that the leather under application does not use any of the five carcinogenic dyes set out in table 14 nor any of the chemicals set out in 15 of the "Japan Eco Leather Certification standard-2023."

Table 14

	CAS Number	C. I. Number	Colour Index Name	IARC
1	569-61-9	CI 42500	C. I. BASIC RED 9	Group 2 B
2	3761-53-5	CI 16150	C. I. ACID RED 26	Group 2 B
3	6459-94-5	CI 23635	C. I. ACID RED 114	Group 2 B
4	2602-46-2	CI 22610	C. I. DIRECT BLUE 6	Group 2 A
5	1937-37-7	CI 30235	C. I. DIRECT BLACK 38	Group 2A

\* If it cannot be confirmed that the leather under application does not use carcinogenic dyes, please attach the CI Number, color index name or CAS Number of the dye(s) used.

Table 15

Chlorophenols	Trichlorophenol (TriCP), Tetrachlorophenol(TeCP), Pentachlorophenol(PCP)
Organotin compounds	Dibutyltin (DBT), Dioctyltin (DOT), Monobutyltin (MBT), Tricyclohexyltin (TCyHT), Trimethyltin (TMT), Trioctyltin (TOT), Tripropyltin (TPT), Tributyltin (TBT), Triphenyltin (TPhT)
Mercury (Hg), total	
Ortho-phenylphenol (OPP)	
PFAS, Per- and polyfluorinated compounds	Perfluorooctane Sulfonate (PFOS) and related substances, Perfluorooctanoic Acid (PFOA) and its salts, PFOA and related substances
Dimethylfumarate (DMFu)	

Note 3) Chlorophenols and extractable metal (mercury) have not been detected in the results of over 1,000 analyses conducted over the past 17 years, and so have been removed from the list of items to be analyzed.