

Japanese standard allergens 2008 (JSA 2008)

JSA1994→JSA2008への変更点

- * Brial社及び鳥居薬品(株)の試薬で構成
- * 水銀試薬は塩化第Ⅱ水銀アンモニウム塩 (Ammoniated mercuric chloride) から塩化第Ⅱ水銀 (Mercury(II) chloride) に変更
- * Bisphenol A、Ethylenediamine dihydrochlorideを削除
- * Epoxy resin、Sesquiterpene lactone mixを追加
- * Gold sodium thiosulfateを追加

	Test materials	Concentration/vehicle	Supplier
1	Cobalt chloride	1% pet.	Brial
2	PPD black rubber mix	0.6% pet.	Brial
		<i>N</i> -dimethyl-1, C-butyl- <i>N'</i> -phenyl- <i>p</i> -phenylenediamine 0.25% Diphenyl- <i>p</i> -phenylenediamine 0.25% <i>N</i> -Isopropyl- <i>N'</i> -phenyl- <i>p</i> -phenylenediamine 0.10%	
3	Gold sodium thiosulfate	0.5% pet.	Brial
4	Thiuram mix	1.25% pet.	Brial
		Tetramethylthiuram disulfide 0.25% Tetraethylthiuram disulfide 0.25% Tetramethylthiuram monosulfide 0.25% Dipentamethylenethiuram tetrasulfide 0.25% Tetrabutyl thiuram disulfide 0.25%	
5	Nickel sulfate	2.5% pet.	Brial
6	Mercapto mix	2% pet.	Brial
		<i>N</i> -Cyclohexyl-2-benzothiazylsulfenamide 0.5% Dibenzothiazyl disulfide 0.5% 2-Mercaptobenzothiazole 0.5% Moroholinyl mercaptobenzothiazole 0.5%	
7	Dithiocarbamate mix	2% pet.	Brial
		Dimethyldithiocarbamic acid zinc salt 0.5% Diethyldithiocarbamic acid zinc salt 0.5% Di- <i>n</i> -butyldithiocarbamic acid zinc salt 0.5% <i>N</i> -ethyl- <i>N</i> -phenyldithiocarbamic acid zinc salt 0.5%	
8	Caine mix	7% pet.	Brial
		Benzocaine 5% Procaine-HCl 1% Conchocaine-HCl 1%	
9	Fradiomycin sulfate(Neomycin sulfate)	20% pet.	Brial
10	Balsam of Peru	25% pet.	Brial
11	Rosin(Colophony)	20% pet.	Brial
12	Fragrance mix	8% pet.	Brial
		Amylcinnamic aldehyde 1% Cinnamic aldehyde 1% Cinnamic alcohol 1% Eugenol 1% Geraniol 1% Hydroxycitronellal 1% Isoeugenol 1% Sandalwood oil 1%	
13	Paraben mix	15% pet.	Brial
		Benzyl <i>p</i> -hydroxybenzoate(benzylparaben) 3% Butyl <i>p</i> -hydroxybenzoate(butylparaben) 3% Ethyl <i>p</i> -hydroxybenzoate(ethylparaben) 3% Methyl <i>p</i> -hydroxybenzoate(methylparaben) 3% Propyl <i>p</i> -hydroxybenzoate(propylparaben) 3%	
14	<i>p</i> -Phenylenediamine	1% pet.	
15	Lanolin alcohols (Wool wax alcohols)	30% pet.	Brial
16	<i>p</i> - <i>tert</i> -Buthylphenol formaldehyde resin	1% pet.	Brial
17	Epoxy resin	1% pet.	Brial
18	Primin	0.01% pet.	Brial
19	Urushiol	0.002% pet.	Torii
20	Sesquiterpene lactone mix	0.1% pet.	Brial
		Alantolactone 0.03% Dehydrocostus lactone 0.03% Costunolide 0.03%	
21	Potassium dichromate	0.5% aq.	Torii
22	Thimerosal	0.05% pet.	Torii
23	Formaldehyde	1% aq.	Brial
24	Kathon CG	0.01% aq.	Brial
25	Mercury(II) chloride	0.05% aq.	Torii
Control			
26	Petrolatum	as is	
27	Distilled Water	as is	

Japanese standard allergens 2008 調査データ (アレルゲン別_陽性率)

Year		2009	2010	2011	2012	2013	2014
Number of total cases		2093	1927	2314	2586	2209	1929
Metals	Cobalt chloride	6.4%	7.6%	8.8%	9.1%	8.8%	8.4%
	Nickel sulfate	11.6%	14.2%	15.2%	16.1%	15.1%	16.7%
	Potassium dichromate	6.6%	8.3%	7.0%	8.1%	7.5%	4.7%
	Mercury(II) chloride	5.0%	5.7%	6.2%	5.4%	5.8%	5.3%
	Gold sodium thiosulfate	3.5%	3.0%	4.5%	5.4%	5.2%	5.7%
Rubber additives	Thiuram mix	3.6%	5.2%	5.3%	3.5%	3.4%	5.4%
	PPD black rubber mix	1.8%	1.7%	1.7%	1.8%	1.2%	0.8%
	Mercapto mix	1.0%	1.4%	0.8%	0.8%	0.6%	0.9%
	Dithiocarbamate mix	1.3%	1.5%	1.1%	1.0%	1.2%	1.8%
Topical drugs	Caine mix	4.0%	3.0%	2.1%	2.3%	2.5%	1.7%
	Fradimycin sulfate	6.0%	5.6%	6.0%	7.0%	7.7%	7.6%
Cosmetics	Balsam of Peru	4.4%	5.1%	5.7%	4.5%	5.6%	4.6%
	Fragrance mix	6.4%	5.7%	6.1%	6.6%	6.0%	5.6%
	<i>p</i> -Phenylenediamine	7.0%	6.2%	6.6%	7.1%	7.2%	7.7%
	Lanolin alcohol	1.8%	2.0%	2.8%	2.1%	2.7%	2.3%
Resins	Rosin	2.3%	2.5%	2.4%	2.3%	2.4%	1.7%
	<i>p</i> -tert- Butylphenol formaldehyde resin	1.5%	1.9%	1.8%	0.9%	1.3%	1.0%
	Epoxy resin	0.9%	1.0%	0.7%	0.5%	0.7%	0.7%
Preservatives	Thimerosal	2.9%	3.4%	4.6%	4.3%	5.6%	3.7%
	Paraben mix	2.5%	2.6%	2.0%	2.2%	2.1%	1.7%
	Formaldehyde	2.0%	2.0%	2.3%	2.3%	2.0%	1.6%
	Kathon CG	1.2%	1.9%	2.7%	2.0%	2.7%	2.7%
Plants	Primin	0.8%	0.8%	0.7%	0.6%	0.9%	0.7%
	Urushiol	10.3%	11.5%	10.5%	11.4%	10.5%	12.5%
	Sesquiterpene lactone mix	1.5%	1.0%	1.0%	1.2%	0.8%	1.5%