



Allergens

In the cosmetic industry, almost any product that contains water also contains some preservatives. The most commonly used preservatives have been linked to skin allergies and sensitivities. In addition to the preservatives used, fragrances and emulsifiers also cause allergic reactions.

Allergens

Compound	CAS No.	Conc.	Matrix	Cat. No.	1 mL
2-Acetylpyridine	1122-62-9	100 mg 100 µg/mL	NEAT MeOH	ALR-066N ALR-066S	
Alkylphenol ethoxylates:					
Nonylphenol-ethylene oxide condensate (Nonoxynol-9)	26027-38-3	100 mg 100 µg/mL	NEAT MeOH	ALR-079N ALR-079S	
Polyethylene glycol nonaphenyl ether (Triton N-101)	123359-41-1	100 mg 100 µg/mL	NEAT MeOH	ALR-078N ALR-078S	
Allylisothiocyanate	57-06-7	100 mg 1000 µg/mL	NEAT EtOH	ALR-028N ALR-028S-ET-10X	
Amyl cinnamal	122-40-7	100 mg 1000 µg/mL	NEAT AcCN	ALR-001N ALR-001S-CN-10X	
Amylcinnamyl alcohol	101-85-9	1000 µg/mL	EtOH	ALR-008S-ET-10X	
Anisyl alcohol	105-13-5	100 mg 1000 µg/mL	NEAT EtOH	ALR-014N ALR-014S-ET-10X	
Arsenic	7440-38-2	1000 µg/mL	2-5% HNO ₃	ALR-MET-01S	
Balsam of Peru	8007-00-9	100 mg 100 µg/mL	NEAT MeOH	ALR-080N ALR-080S	
Benzophenone-3 (Bp-3)	131-57-7	100 mg 100 µg/mL	NEAT AcCN	ALR-081N ALR-081S-CN	
Benzyl alcohol	100-51-6	100 mg 1000 µg/mL	NEAT EtOH	ALR-002N ALR-002S-ET-10X	
Benzyl benzoate	120-51-4	100 mg 1000 µg/mL	NEAT EtOH	ALR-019N ALR-019S-ET-10X	
Benzyl butyl phthalate	85-68-7	100 mg 100 µg/mL	NEAT MeOH	ALR-082N ALR-082S	
Benzyl cinnamate	103-41-3	100 mg 1000 µg/mL	NEAT EtOH	ALR-015N ALR-015S-ET-10X	
Benzyl cyanide	140-29-4	100 mg 1000 µg/mL	NEAT EtOH	ALR-029N ALR-029S-ET-10X	
Benzyl 2-ethylhexyl phthalate	27215-22-1	100 mg 100 µg/mL	NEAT MeOH	ALR-165N ALR-165S	
Benzyl paraben	94-18-8	100 mg 100 µg/mL	NEAT MeOH	ALR-083N ALR-083S	
Benzyl salicylate	118-58-1	100 mg 1000 µg/mL	NEAT AcCN	ALR-009N ALR-009S-CN-10X	
Bithionol	97-18-7	100 mg 100 µg/mL	NEAT MeOH	ALR-084N ALR-084S	
5-Bromo-5-nitro-1,3-dioxane (Bronidox L) (BND)	30007-47-7	100 mg 100 µg/mL	NEAT MeOH	ALR-074N ALR-074S	
2-Bromo-2-nitropropane-1,3-diol (Bronopol)	52-51-7	100 mg 100 µg/mL	NEAT MeOH	ALR-067N ALR-067S	
2-(4-tert-Butylbenzyl)propionaldehyde (Tech)	80-54-6	1000 µg/mL	AcCN	ALR-017S-CN-10X	
Butylated hydroxyanisole (BHA)	25013-16-5	100 mg 100 µg/mL	NEAT MeOH	ALR-087N ALR-087S	
Butylated hydroxytoluene (BHT & 2,6-DBPC)	128-37-0	100 mg 100 µg/mL	NEAT MeOH	ALR-088N ALR-088S	
Butylene glycol	107-88-0	100 mg 100 µg/mL	NEAT MeOH	ALR-089N ALR-089S	
Butyl-methoxydibenzoylmethane (B-MDM) Sunblock, Parsol1789	70356-09-1	100 µg/mL	MeOH	ALR-086S	
Butyl paraben	94-26-8	100 mg 100 µg/mL	NEAT MeOH	ALR-085N ALR-085S	
p-tert-Butylphenol	98-54-4	100 mg 1000 µg/mL	NEAT EtOH	ALR-030N ALR-030S-ET-10X	





Compound	CAS No.	Conc.	Matrix	Cat. No.	1 mL
Cetone Alpha (Tech)	127-51-5	1000 µg/mL	AcCN	ALR-024S-CN-10X	
Chloroacetamide	79-07-2	100 mg	NEAT	ALR-090N	
		100 µg/mL	MeOH	ALR-090S	
Chloroform	67-66-3	100 mg	NEAT	ALR-091N	
		100 µg/mL	MeOH	ALR-091S	
2-Chloropyridine	109-09-1	100 mg	NEAT	ALR-068N	
		100 µg/mL	MeOH	ALR-068S	
Chromium	7440-47-3	1000 µg/mL	2-5% HNO ₃	ALR-MET-02S	
Cinnamal	104-55-2	100 mg	NEAT	ALR-010N	
		1000 µg/mL	AcCN	ALR-010S-CN-10X	
Cinnamyl alcohol	104-54-1	100 mg	NEAT	ALR-003N	
		1000 µg/mL	EtOH	ALR-003S-ET-10X	
Citral	5392-40-5	100 mg	NEAT	ALR-004N	
		1000 µg/mL	AcCN	ALR-004S-CN-10X	
β-Citronellol	106-22-9	100 mg	NEAT	ALR-020N	
		1000 µg/mL	EtOH	ALR-020S-ET-10X	
Coal Tar (black)	8007-45-2	100 mg	NEAT	ALR-094N	
		100 µg/mL	Toluene	ALR-094S-T	
Cobalt	7440-48-4	1000 µg/mL	2-5% HNO ₃	ALR-MET-03S	
Coumarin	91-64-5	100 mg	NEAT	ALR-011N	
		1000 µg/mL	AcCN	ALR-011S-CN-10X	
2,4-Diaminoanisole	615-05-4	100 µg/mL	Pyridine	ALR-070S-R1	
2,4-Diaminophenol dihydrochloride	137-09-7	100 mg	NEAT	ALR-063N	
		100 µg/mL	MeOH	ALR-063S	
Diamyl phthalate	131-18-0	100 mg	NEAT	ALR-098N	
		100 µg/mL	MeOH	ALR-098S	
Diazolidinyl urea	78491-02-8	100 mg	NEAT	ALR-106N	
		100 µg/mL	MeOH	ALR-106S	
Dibromsalon (Halogenated salicylanilides)	87-12-7	10 mg	NEAT	ALR-107N-10MG	
		100 µg/mL	MeOH	ALR-107S	
Dicyclohexyl phthalate	84-61-7	100 mg	NEAT	ALR-099N	
		100 µg/mL	MeOH	ALR-099S	
Diethanolamine (DEA)	111-42-2	100 mg	NEAT	ALR-109N	
		100 µg/mL	MeOH	ALR-109S	
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	100 mg	NEAT	ALR-097N	
		100 µg/mL	MeOH	ALR-097S	
Diethyl maleate	141-05-9	100 mg	NEAT	ALR-033N	
		1000 µg/mL	EtOH	ALR-033S-ET-10X	
Diethyl phthalate	84-66-2	100 mg	NEAT	ALR-110N	
		100 µg/mL	MeOH	ALR-110S	
Dihexyl phthalate	84-75-3	100 mg	NEAT	ALR-100N	
		100 µg/mL	MeOH	ALR-100S	
Dihydroabietyl alcohol	26266-77-3	100 mg	NEAT	ALR-047N	
		1000 µg/mL	EtOH	ALR-047S-ET-10X	
Dihydrocoumarin	119-84-6	100 mg	NEAT	ALR-034N	
		1000 µg/mL	Acetone	ALR-034S-A-10X	
Diisodecyl phthalate (Tech)	26761-40-0	100 mg	NEAT	ALR-101N	
		100 µg/mL	MeOH	ALR-101S	
Diisononyl phthalate (Tech)	68515-48-0	100 mg	NEAT	ALR-102N	
		100 µg/mL	MeOH	ALR-102S	
Diisooctyl phthalate (Tech)	27554-26-3	100 mg	NEAT	ALR-103N	
		100 µg/mL	MeOH	ALR-103S	
Dimethyl citraconate	617-54-9	100 mg	NEAT	ALR-038N	
		1000 µg/mL	EtOH	ALR-038S-ET-10X	
Dimethyl phthalate (DMP)	131-11-3	100 mg	NEAT	ALR-111N	
		100 µg/mL	MeOH	ALR-111S	
6,10-Dimethyl-3,5,9-undecatrien-2-one (Pseudoionone)	141-10-6	100 mg	NEAT	ALR-040N	
		1000 µg/mL	Acetone	ALR-040S-A-10X	
Di-n-butyl phthalate (DBP)	84-74-2	100 mg	NEAT	ALR-104N	
		100 µg/mL	MeOH	ALR-104S	
Di-n-octyl phthalate	117-84-0	100 mg	NEAT	ALR-105N	
		100 µg/mL	MeOH	ALR-105S	
1,4-Dioxane	123-91-1	100 mg	NEAT	ALR-062N	
		100 µg/mL	MeOH	ALR-062S	
Diphenylamine	122-39-4	100 mg	NEAT	ALR-041N	
		1000 µg/mL	EtOH	ALR-041S-ET-10X	
2-Ethoxyethanol	110-80-5	100 mg	NEAT	ALR-064N	
		100 µg/mL	MeOH	ALR-064S	
2-Ethoxyethanol acetate	111-15-9	100 mg	NEAT	ALR-065N	
		100 µg/mL	MeOH	ALR-065S	
Ethyl acrylate	140-88-5	100 mg	NEAT	ALR-042N	
		1000 µg/mL	EtOH	ALR-042S-ET-10X	
Ethyl paraben	120-47-8	100 mg	NEAT	ALR-113N	
		100 µg/mL	MeOH	ALR-113S	
Ethylene diamine dihydrochloride	333-18-6	100 mg	NEAT	ALR-114N	
		100 µg/mL	MeOH	ALR-114S	
2-Ethylhexyl salicylate	118-60-5	100 µg/mL	AcCN	ALR-174S-CN	
Eugenol	97-53-0	100 mg	NEAT	ALR-005N	
		1000 µg/mL	EtOH	ALR-005S-ET-10X	

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Compound	CAS No.	Conc.	Matrix	Cat. No.	1 mL
Farnesol (Mixed isomers)	4602-84-0	100 mg	NEAT	ALR-016N	
		1000 µg/mL	EtOH	ALR-016S-ET-10X	
Formaldehyde	50-00-0	100 µg/mL	Water	ALR-115S-W	
Freon #11 Trichlorofluoromethane	75-69-4	200 µg/mL	MeOH	ALR-CFC-013S-2X	
Freon #12 Dichlorodifluoromethane	75-71-8	200 µg/mL	MeOH	ALR-CFC-008S-2X	
Freon #13 Chlorotrifluoromethane	75-72-9	200 µg/mL	MeOH	ALR-CFC-007S-2X	
Freon #13b1 Bromotrifluoromethane	75-63-8	200 µg/mL	MeOH	ALR-CFC-001S-2X	
Freon #21 Dichlorofluoromethane	75-43-4	200 µg/mL	MeOH	ALR-CFC-009S-2X	
Freon #22 Chlorodifluoromethane	75-45-6	200 µg/mL	MeOH	ALR-CFC-003S-2X	
Freon #23 Trifluoromethane	75-46-7	200 µg/mL	MeOH	ALR-CFC-015S-2X	
Freon #40 Chloromethane	74-87-3	200 µg/mL	MeOH	ALR-CFC-005S-2X	
Freon #113 1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	200 µg/mL	MeOH	ALR-CFC-014S-2X	
Freon #114 1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	200 µg/mL	MeOH	ALR-CFC-010S-2X	
Freon #115 Chloropentafluoroethane	76-15-3	200 µg/mL	MeOH	ALR-CFC-006S-2X	
Freon #134a Tetrafluoroethane	811-97-2	200 µg/mL	MeOH	ALR-CFC-012S-2X	
Freon #142b 1-Chloro-1,1-difluoroethane	75-68-3	200 µg/mL	MeOH	ALR-CFC-002S-2X	
Freon #152a 1,1-Difluoroethane	75-37-6	200 µg/mL	MeOH	ALR-CFC-011S-2X	
Freon #160 Chloroethane	75-00-3	200 µg/mL	MeOH	ALR-CFC-004S-2X	
Geraniol	106-24-1	100 mg	NEAT	ALR-012N	
		1000 µg/mL	EtOH	ALR-012S-ET-10X	
trans-2-Heptenal	18829-55-5	100 mg	NEAT	ALR-044N	
		1000 µg/mL	AcCN	ALR-044S-CN-10X	
Heptyl paraben	1085-12-7	100 mg	NEAT	ALR-117N	
		100 µg/mL	MeOH	ALR-117S	
trans-2-Hexenal diethyl acetal	67746-30-9	100 mg	NEAT	ALR-045N	
		1000 µg/mL	EtOH	ALR-045S-ET-10X	
trans-2-Hexenal dimethyl acetal	18318-83-7	100 mg	NEAT	ALR-046N	
		1000 µg/mL	MeOH	ALR-046S-10X	
Hexachlorophene (HCP)	70-30-4	100 mg	NEAT	ALR-118N	
		100 µg/mL	MeOH	ALR-118S	
Hexyl cinnamaldehyde	101-86-0	1000 µg/mL	EtOH	ALR-021S-ET-10X	
Homosalate (HMS)	118-56-9	100 µg/mL	AcCN	ALR-119S-CN	
Hydroquinone monoethyl ether (4-Ethoxyphenol)	622-62-8	100 mg	NEAT	ALR-048N	
		1000 µg/mL	EtOH	ALR-048S-ET-10X	
p-Hydroxyanisole	150-76-5	100 mg	NEAT	ALR-145N	
		100 µg/mL	MeOH	ALR-145S	
4-Hydroxybenzoic acid (Paraben)	99-96-7	100 mg	NEAT	ALR-069N	
		100 µg/mL	AcCN	ALR-069S-CN	
Hydroxy-citronellal	107-75-5	100 mg	NEAT	ALR-006N	
		1000 µg/mL	AcCN	ALR-006S-CN-10X	
tris(Hydroxymethyl)nitromethane (Tris Nitro)	126-11-4	100 mg	NEAT	ALR-169N	
		100 µg/mL	MeOH	ALR-169S	
Hydroxymethylpentylcyclohexenecarboxaldehyde	31906-04-4	100 mg	NEAT	ALR-013N	
		1000 µg/mL	AcCN	ALR-013S-CN-10X	
Imidazolidinyl urea	39236-46-9	100 mg	NEAT	ALR-120N	
		100 µg/mL	MeOH	ALR-120S	
α-Ionone	127-41-3	100 mg	NEAT	ALR-171N	
		100 µg/mL	MeOH	ALR-171S	
β-Ionone	79-77-6	100 mg	NEAT	ALR-172N	
		100 µg/mL	MeOH	ALR-172S	
Isobutyl paraben	4247-02-3	100 mg	NEAT	ALR-121N	
		100 µg/mL	MeOH	ALR-121S	
Isoeugenol	97-54-1	100 mg	NEAT	ALR-007N	
		1000 µg/mL	EtOH	ALR-007S-ET-10X	
Isopropyl paraben	4191-73-5	100 mg	NEAT	ALR-122N	
		100 µg/mL	MeOH	ALR-122S	
Lanolin, anhydrous	8006-54-0	100 mg	NEAT	ALR-123N	
		100 µg/mL	Acetone	ALR-123S-A	
Lead	7439-92-1	1000 µg/mL	2-5% HNO ₃	ALR-MET-04S	
		100 mg	NEAT	ALR-022N	
d-Limonene	5989-27-5	1000 µg/mL	EtOH	ALR-022S-ET-10X	
		100 mg	NEAT	ALR-018N	
Linalool	78-70-6	1000 µg/mL	EtOH	ALR-018S-ET-10X	
		1000 µg/mL	10% HNO ₃	ALR-MET-05S	
Mercury	7439-97-6	100 mg	NEAT	ALR-128N	
Metabromsalon	2577-72-2	100 µg/mL	MeOH	ALR-128S	
		100 mg	NEAT	ALR-050N	
7-Methoxycoumarin	531-59-9	1000 µg/mL	AcCN	ALR-050S-CN-10X	
		1000 µg/mL	AcCN	ALR-051S-CN-10X	
4-(p-Methoxyphenyl)-3-butene-2-one	943-88-4	100 mg	NEAT	ALR-072N	
4-Methoxy-m-phenylenediamine-sulfate hydrate	123333-56-2	100 mg	NEAT	ALR-052N	
1-(p-Methoxyphenyl)-1-penten-3-one	104-27-8	1000 µg/mL	AcCN	ALR-052S-CN-10X	
		100 mg	NEAT	ALR-073N	
4-Methyl-benzylidene camphor (4-MBC)	36861-47-9	100 µg/mL	MeOH	ALR-073S	
		100 mg	NEAT	ALR-075N	
6-Methylcoumarin (6-MC)	92-48-8	100 µg/mL	MeOH	ALR-075S	
		100 mg	NEAT	ALR-054N	
7-Methylcoumarin	2445-83-2	1000 µg/mL	AcCN	ALR-054S-CN-10X	
		100 mg	NEAT	ALR-023N	
Methyl heptyne carbonate	111-12-6	1000 µg/mL	EtOH	ALR-023S-ET-10X	



Compound	CAS No.	Conc.	Matrix	Cat. No.	1 mL
5-Methyl-2,3-hexanedione (Acetyl isovaleryl)	13706-86-0	100 mg	NEAT	ALR-055N	
		1000 µg/mL	AcCN	ALR-055S-CN-10X	
Methyl methacrylate monomer	80-62-6	100 mg	NEAT	ALR-129N	
		100 µg/mL	MeOH	ALR-129S	
Methyl paraben	99-76-3	100 mg	NEAT	ALR-130N	
		100 µg/mL	MeOH	ALR-130S	
Methyl trans-2-butenote	623-43-8	100 mg	NEAT	ALR-053N	
		1000 µg/mL	MeOH	ALR-053S-10X	
Methyldibromoglutaronitrile	35691-65-7	100 mg	NEAT	ALR-132N	
		100 µg/mL	MeOH	ALR-132S	
Methylene chloride	75-09-2	100 mg	NEAT	ALR-133N	
		100 µg/mL	MeOH	ALR-133S	
Methyleugenol	93-15-2	100 mg	NEAT	ALR-061N	
		1000 µg/mL	EtOH	ALR-061S-ET-10X	
Monobenzyl phthalate (mBzP)	2528-16-7	100 mg	NEAT	ALR-134N	
		100 µg/mL	AcCN	ALR-134S-CN	
Monobutyl phthalate (mBP)	131-70-4	100 mg	NEAT	ALR-135N	
		100 µg/mL	AcCN	ALR-135S-CN	
Monocyclohexyl phthalate	7517-36-4	100 mg	NEAT	ALR-178N	
		100 µg/mL	AcCN	ALR-178S-CN	
Monoethanolamine (MEA) (2-Aminoethanol)	141-43-5	100 mg	NEAT	ALR-136N	
		100 µg/mL	MeOH	ALR-136S	
Monoethyl phthalate (mEP)	2306-33-4	100 mg	NEAT	ALR-137N	
		100 µg/mL	AcCN	ALR-137S-CN	
Monoethylhexyl phthalate (mEHP)	4376-20-9	100 mg	NEAT	ALR-138N	
		100 µg/mL	AcCN	ALR-138S-CN	
Mono-2-heptyl phthalate		100 mg	NEAT	ALR-143N	
		100 µg/mL	AcCN	ALR-143S-CN	
Monoethyl phthalate	24539-57-9	100 mg	NEAT	ALR-175N	
		100 µg/mL	AcCN	ALR-175S-CN	
Monoisobutyl phthalate	30833-53-5	100 mg	NEAT	ALR-176N	
		100 µg/mL	AcCN	ALR-176S-CN	
Monoisononyl phthalate		100 mg	NEAT	ALR-142N	
		100 µg/mL	AcCN	ALR-142S-CN	
Monoisopropyl phthalate	35118-50-4	100 mg	NEAT	ALR-179N	
		100 µg/mL	AcCN	ALR-179S-CN	
Monomethyl phthalate	4376-18-5	100 mg	NEAT	ALR-139N	
		100 µg/mL	AcCN	ALR-139S-CN	
Monooctyl phthalate	5393-19-1	100 mg	NEAT	ALR-141N	
		100 µg/mL	AcCN	ALR-141S-CN	
Mono-n-pentyl phthalate	24539-56-8	100 mg	NEAT	ALR-177N	
		100 µg/mL	AcCN	ALR-177S-CN	
Musk ambrette	83-66-9	1000 µg/mL	AcCN	ALR-056S-CN-10X	
Nickel	7440-02-0	1000 µg/mL	2-5% HNO ₃	ALR-MET-06S	
N-Phenyl-p-phenylenediamine	101-54-2	100 mg	NEAT	ALR-140N	
		100 µg/mL	MeOH	ALR-140S	
Octyl-dimethyl-PABA (OD-PABA)(Padimate O)	21245-02-3	100 mg	NEAT	ALR-146N	
		100 µg/mL	MeOH	ALR-146S	
Octyl-methoxycinnamate (OMC)	5466-77-3	100 mg	NEAT	ALR-144N	
		100 µg/mL	MeOH	ALR-144S	
4-Phenyl-3-buten-2-one	122-57-6	100 mg	NEAT	ALR-058N	
		1000 µg/mL	AcCN	ALR-058S-CN-10X	
m-Phenylenediamine (MPD)	108-45-2	100 mg	NEAT	ALR-127N	
		100 µg/mL	MeOH	ALR-127S	
p-Phenylenediamine (PPD)	106-50-3	100 mg	NEAT	ALR-147N	
		100 µg/mL	MeOH	ALR-147S	
Polyethylene glycol (PEG), appr. Molecular weight 200	25322-68-3	100 mg	NEAT	ALR-149N-MW200	
		100 µg/mL	MeOH	ALR-149S-MW200	
Polyethylene glycol (PEG), appr. Molecular weight 400	25322-68-3	100 mg	NEAT	ALR-149N-MW400	
		100 µg/mL	MeOH	ALR-149S-MW400	
Polyethylene glycol (PEG), appr. Molecular weight 600	25322-68-3	100 mg	NEAT	ALR-149N-MW600	
		100 µg/mL	MeOH	ALR-149S-MW600	
Polyethylene glycol (PEG), appr. Molecular weight 1500	25322-68-3	100 mg	NEAT	ALR-149N-MW1500	
		100 µg/mL	MeOH	ALR-149S-MW1500	
Polyethylene glycol (PEG), appr. Molecular weight 4000	25322-68-3	100 mg	NEAT	ALR-149N-MW4000	
		100 µg/mL	MeOH	ALR-149S-MW4000	
Polyvinylpyrrolidone PVP/PA Copolymer	9003-39-8	100 µg/mL	MeOH	ALR-150S	
Potassium dichromate	7778-50-9	1000 µg/mL	Water	ALR-MET-07S	
Potassium sorbate	24634-61-5	100 mg	NEAT	ALR-152N	
		100 µg/mL	MeOH	ALR-152S	
Propyl paraben	94-13-3	100 mg	NEAT	ALR-153N	
		100 µg/mL	MeOH	ALR-153S	
Propylene glycol (PG)	57-55-6	100 µg/mL	MeOH	ALR-154S	
Protocatechuic acid	99-50-3	100 mg	NEAT	ALR-155N	
		100 µg/mL	AcCN	ALR-155S-CN	
Pyrocatechol	120-80-9	100 mg	NEAT	ALR-156N	
		100 µg/mL	MeOH	ALR-156S	
Quaternium-15	51229-78-8	100 mg	NEAT	ALR-157N	
		100 µg/mL	MeOH	ALR-157S	

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Allergens & EU Directive List

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Compound	CAS No.	Conc.	Matrix	Cat. No.	1 mL
Resorcinol	108-46-3	100 mg	NEAT	ALR-158N	
		100 µg/mL	MeOH	ALR-158S	
Salicylic acid	69-72-7	100 mg	NEAT	ALR-173N	
		100 µg/mL	Water	ALR-173S-W	
Sodium hydroxide	1310-73-2	100 mg	NEAT	ALR-159N	
		100 µg/mL	MeOH	ALR-159S	
Sodium nitrite	7632-00-0	100 mg	NEAT	ALR-160N	
		100 µg/mL	Water	ALR-160S-W	
Talc	14807-96-6	100 mg	NEAT	ALR-161N	
Tetrachlorosalicylanilide	1154-59-2	100 mg	NEAT	ALR-162N	
		100 µg/mL	MeOH	ALR-162S	
Thimerosal	54-64-8	100 mg	NEAT	ALR-163N	
		100 µg/mL	MeOH	ALR-163S	
Thiuram (Thiram) (Tetramethylthiourea disulfide)	137-26-8	100 mg	NEAT	ALR-164N	
		100 µg/mL	MeOH	ALR-164S	
Tribomosalan	87-10-5	100 mg	NEAT	ALR-167N	
		100 µg/mL	MeOH	ALR-167S	
Triethanolamine (TEA)	102-71-6	100 mg	NEAT	ALR-168N	
		100 µg/mL	MeOH	ALR-168S	
Verbena oil (Lippia citriodora Kunth)	8024-12-2	100 mg	NEAT	ALR-060N	
		1000 µg/mL	EtOH	ALR-060S-ET-10X	
Vinyl chloride	75-01-4	100 µg/mL	MeOH	ALR-170S	
Zirconium	7440-67-7	1000 µg/mL	2-5% HNO ₃	ALR-MET-08S	

EU Directive 76/768/EEC

EU Directive List of 24 Regulated Contact Allergens:

ALR-EU24-SET

24 x 1 mL

Each at 1000 µg/mL

Compound	CAS No.	Cat. No.	1 mL
Amyl cinnamal	122-40-7	ALR-001S-CN-10X	
Amylcinnamyl alcohol	101-85-9	ALR-008S-ET-10X	
Anisyl alcohol	105-13-5	ALR-014S-ET-10X	
Benzyl alcohol	100-51-6	ALR-002S-ET-10X	
Benzyl benzoate	120-51-4	ALR-019S-ET-10X	
Benzyl cinnamate	103-41-3	ALR-015S-ET-10X	
Benzyl salicylate	118-58-1	ALR-009S-CN-10X	
2-(4-tert-Butylbenzyl)propionaldehyde (technical grade)	80-54-6	ALR-017S-CN-10X	
Cetone Alpha (Tech)	127-51-5	ALR-024S-CN-10X	
Cinnamal	104-55-2	ALR-010S-CN-10X	
Cinnamyl alcohol	104-54-1	ALR-003S-ET-10X	
Citral	5392-40-5	ALR-004S-CN-10X	
b-Citronellol	106-22-9	ALR-020S-ET-10X	
Coumarin	91-64-5	ALR-011S-CN-10X	
Eugenol	97-53-0	ALR-005S-ET-10X	
Farnesol (Mixed isomers)	4602-84-0	ALR-016S-ET-10X	
Geraniol	106-24-1	ALR-012S-ET-10X	
Hexyl cinnamaldehyde	101-86-0	ALR-021S-ET-10X	
Hydroxy-citronellal	107-75-5	ALR-006S-CN-10X	
Hydroxymethylpentylcyclohexenecarboxaldehyde	31906-04-4	ALR-013S-CN-10X	
Isoeugenol	97-54-1	ALR-007S-ET-10X	
d-Limonene	5989-27-5	ALR-022S-ET-10X	
Linalool	78-70-6	ALR-018S-ET-10X	
Methyl heptyne carbonate	111-12-6	ALR-023S-ET-10X	

EU Directive List of substances that may be banned:

ALR-EU36-R2-SET

24 x 1 mL

Each at 1000 µg/mL

Compound	CAS No.	Cat. No.	1 mL
Allylthiocyanate	57-06-7	ALR-028S-ET-10X	
Benzyl cyanide	140-29-4	ALR-029S-ET-10X	
p-tert-Butylphenol	98-54-4	ALR-030S-ET-10X	
Diethyl maleate	141-05-9	ALR-033S-ET-10X	
Dihydroabietyl alcohol	26266-77-3	ALR-047S-ET-10X	
Dihydrocoumarin	119-84-6	ALR-034S-A-10X	
Dimethyl citraconate	617-54-9	ALR-038S-ET-10X	
6,10-Dimethyl-3,5,9-undecatrien-2-one (Pseudoionone)	141-10-6	ALR-040S-A-10X	
Diphenylamine	122-39-4	ALR-041S-ET-10X	
Ethyl acrylate	140-88-5	ALR-042S-ET-10X	
trans-2-Heptenal	18829-55-5	ALR-044S-CN-10X	
trans-2-Hexenal diethyl acetal	67746-30-9	ALR-045S-ET-10X	
trans-2-Hexenal dimethyl acetal	18318-83-7	ALR-046S-10X	
Hydroquinone monoethyl ether (4-Ethoxyphenol)	622-62-8	ALR-048S-ET-10X	
7-Methoxycoumarin	531-59-9	ALR-050S-CN-10X	
4-(p-Methoxyphenyl)-3-butene-2-one	943-88-4	ALR-051S-CN-10X	
1-(p-Methoxyphenyl)-1-penten-3-one	104-27-8	ALR-052S-CN-10X	
7-Methylcoumarin	2445-83-2	ALR-054S-CN-10X	
5-Methyl-2,3-hexanedione (Acetyl isovaleryl)	13706-86-0	ALR-055S-CN-10X	
Methyl trans-2-butenate	623-43-8	ALR-053S-10X	
Methyleugenol	93-15-2	ALR-061S-ET-10X	
Musk ambrette (solution only)	83-66-9	ALR-056S-CN-10X	
4-Phenyl-3-buten-2-one	122-57-6	ALR-058S-CN-10X	
Verbena oil (Lippia citriodora Kunth)	8024-12-2	ALR-060S-ET-10X	

Technical Mixtures

When a compound has a purity identified as "Technical" or "Tech Mixture" it means that the standard is not comprised of just one main compound. These are mixtures of multiple chemicals that make up a particular product and every chemical in the mix are components that define the product. The analysis considers all compounds in the product. Aroclors, flame retardants, PBDE technical grade, halowaxes, and some allergens, plastic additives, and dyes are classified as "Technical Mixtures".

Key to Catalog Numbers

N	NEAT, 100 mg
S	Solution in Methanol
S-A	Solution in Acetone
S-CN	Solution in Acetonitrile
S-ET	Solution in Ethanol
S-T	Solution in Toluene
S-W	Solution in Water

Allergens by Type



Sun Block

ALR-SUN-SET

Each at 100 µg/mL

6 x 1 mL

Compound	CAS No.	Cat. No.	1 mL
Benzophenone-3 (Bp-3)	131-57-7	ALR-081S-CN	
Butyl-methoxydibenzoylmethane(B-MDM)	70356-09-1	ALR-086S	
Sunblock, Parsol 1789			
Homosalate (HMS)	118-56-9	ALR-119S-CN	
4-Methyl-benzylidene camphor (4-MBC)	36861-47-9	ALR-073S	
Octyl-dimethyl-PABA (OD-PABA) (Padimate O)	21245-02-3	ALR-146S	
Octyl-methoxycinnamate (OMC)	5466-77-3	ALR-144S	

Parabens

ALR-PAR-SET

Each at 100 µg/mL

11 x 1 mL

Compound	CAS No.	Cat. No.	1 mL
Benzyl paraben	94-18-8	ALR-083S	
Butyl paraben	94-26-8	ALR-085S	
Ethyl paraben	120-47-8	ALR-113S	
Heptyl paraben	1085-12-7	ALR-117S	
4-Hydroxybenzoic acid (Paraben)	99-96-7	ALR-069S-CN	
Isobutyl paraben	4247-02-3	ALR-121S	
Isopropyl paraben	4191-73-5	ALR-122S	
Methyl paraben	99-76-3	ALR-130S	
Potassium sorbate	24634-61-5	ALR-152S	
Propyl paraben	94-13-3	ALR-153S	
Protocatechuic acid	99-50-3	ALR-155S-CN	

Phthalates

ALR-PHT-SET

Each at 100 µg/mL

17 x 1 mL

Compound	CAS No.	Cat. No.	1 mL
Benzyl butyl phthalate	85-68-7	ALR-082S	
Diamyl phthalate	131-18-0	ALR-098S	
Dicyclohexyl phthalate	84-61-7	ALR-099S	
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7	ALR-097S	
Diethyl phthalate	84-66-2	ALR-110S	
Diethyl phthalate	84-75-3	ALR-100S	
Diisodecyl phthalate	26761-40-0	ALR-101S	
Diisononyl phthalate	68515-48-0	ALR-102S	
Diisooctyl phthalate	27554-26-3	ALR-103S	
Dimethyl phthalate (DMP)	131-11-3	ALR-111S	
Di-n-butyl phthalate (DBP)	84-74-2	ALR-104S	
Di-n-octyl phthalate	117-84-0	ALR-105S	
Monobenzyl phthalate (mBzP)	2528-16-7	ALR-134S-CN	
Monobutyl phthalate (mBP)	131-70-4	ALR-135S-CN	
Monoethyl phthalate (mEP)	2306-33-4	ALR-137S-CN	
Monoethylhexyl phthalate (mEHP)	4376-20-9	ALR-138S-CN	
Monomethyl phthalate	4376-18-5	ALR-139S-CN	

Chlorofluorocarbon Propellants (CFCs)

ALR-CFC-SET

Each at 200 µg/mL

15 x 1 mL

Freon	Compound	CAS No.	Cat. No.	1 mL
Freon #11	Trichlorofluoromethane	75-69-4	ALR-CFC-013S-2X	
Freon #12	Dichlorodifluoromethane	75-71-8	ALR-CFC-008S-2X	
Freon #13	Chlorotrifluoromethane	75-72-9	ALR-CFC-007S-2X	
Freon #13b1	Bromotrifluoromethane	75-63-8	ALR-CFC-001S-2X	
Freon #21	Dichlorofluoromethane	75-43-4	ALR-CFC-009S-2X	
Freon #22	Chlorodifluoromethane	75-45-6	ALR-CFC-003S-2X	
Freon #23	Trifluoromethane	75-46-7	ALR-CFC-015S-2X	
Freon #40	Chloromethane	74-87-3	ALR-CFC-005S-2X	
Freon #113	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ALR-CFC-014S-2X	
Freon #114	1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	ALR-CFC-010S-2X	
Freon #115	Chloropentafluoroethane	76-15-3	ALR-CFC-006S-2X	
Freon #134a	Tetrafluoroethane	811-97-2	ALR-CFC-012S-2X	
Freon #142b	1-Chloro-1,1-difluoroethane	75-68-3	ALR-CFC-002S-2X	
Freon #152a	1,1-Difluoroethane	75-37-6	ALR-CFC-011S-2X	
Freon #160	Chloroethane	75-00-3	ALR-CFC-004S-2X	

Metals

ALR-MET-SET

Each at 1000 µg/mL 2-5% HNO₃, except † in Water

8 x 100 mL

Compound	CAS No.	Cat. No.	100 mL
Arsenic	7440-38-2	ALR-MET-01S	
Chromium	7440-47-3	ALR-MET-02S	
Cobalt	7440-48-4	ALR-MET-03S	
Lead	7439-92-1	ALR-MET-04S	
Mercury	7439-97-6	ALR-MET-05S *	
Nickel	7440-02-0	ALR-MET-06S	
Potassium dichromate	7778-50-9	ALR-MET-07S †	
Zirconium	7440-67-7	ALR-MET-08S	

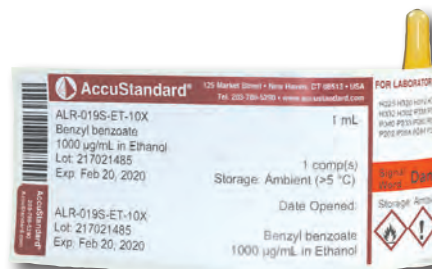
† in Water, * 10% HNO₃

Personal Care Products

Compound	Matrix	Cat. No.	Unit
Triclosan	100 µg/mL	PCC-001S	1 mL
	1000 µg/mL	PCC-001S-10X	1 mL
	NEAT	PCC-001N	100 mg

Key to Catalog Numbers

N	NEAT, 100 mg
S	Solution in Methanol
S-A	Solution in Acetone
S-CN	Solution in Acetonitrile
S-ET	Solution in Ethanol
S-T	Solution in Toluene
S-W	Solution in Water
MET	2-5% Nitric acid



Azo dyes may pose cancer risks and have been restricted in many countries, most notably of the European Union.

Neats at 100 mg. Solutions at 100 µg/mL in MeOH, except as noted.

Individual Dyes

Compound	Synonym	CAS No.	NEAT Cat. No.	100 mg	Solution Cat. No.	1 mL
2-Amino-3-nitrophenol		603-85-0	DYE-107N		DYE-107S	
2-Amino-4-chlorophenol		95-85-2	-----		DYE-034S *	
2-Amino-5-(diethylamino)toluene monohydrochloride		2051-79-8	DYE-104N		DYE-104S	
2-Aminophenol		95-55-6	DYE-108N		DYE-108S	
Acid Red 26	<i>Ponceau Xylidine</i>	3761-53-3	-----		DYE-031S	
Acid Violet 7		4321-69-1	DYE-121N		DYE-121S	
Acid Violet 9		6252-76-2	DYE-122N		DYE-122S	
Acid Violet 19		3244-88-0	DYE-123N		DYE-123S	
Acid Violet 20			DYE-124N		DYE-124S	
Acid Violet 30			DYE-125N-5MG		DYE-125S	
Acid Violet 49		1694-09-3	DYE-120N		DYE-120S	
Basic Blue 7		2390-60-5	DYE-113N		DYE-113S	
<i>Basic Blue 26</i>	see Victoria Blue					
Basic Fuchsin		569-61-9	DYE-049N		DYE-049S	
Basic Red 2		477-73-6	DYE-114N		DYE-114S	
Basic Red 9		569-61-9	-----		DYE-030S	
Basic Violet 1		8004-87-3	DYE-027N		DYE-027S	
Basic Violet 3	Crystal Violet	548-62-9	DYE-028N		DYE-028S	
Basic Violet 14		632-99-5	-----		DYE-012S	
<i>Congo Red</i>	see Direct Red 28					
Crocein Scarlet 3b		5413-75-2	DYE-115N		DYE-115S	
<i>Crystal Violet</i>	see Basic Violet 3					
D & C Red 7		5281-04-9	DYE-060N		DYE-060S	
2,4-Diaminodiphenylamine		136-17-4	DYE-102N		-----	
2,6-Diaminopyridine		141-86-6	DYE-103N		DYE-103S	
N,N-Dimethyl-1,4-phenylenediamine		99-89-9	DYE-106N		DYE-106S	
Direct Black 38		1937-37-7	-----		DYE-013S	
Direct Blue 6		2602-46-2	-----		DYE-014S	
Direct Red 28	<i>Congo Red</i>	573-58-0			DYE-064S	
Disperse Blue 1		2475-45-8	-----		DYE-001S	
Disperse Blue 3		2475-46-9	-----		DYE-004S	
Disperse Blue 7		3179-90-6	-----		DYE-015S	
Disperse Blue 26		3860-63-7	-----		DYE-016S	
Disperse Blue 35			-----		DYE-009S	
Disperse Blue 102		12222-97-8	-----		DYE-017S	
Disperse Blue 124		61951-51-7	-----		DYE-010S	
Disperse Brown 1		23355-64-8	DYE-051N		DYE-051S	
Disperse Orange 1		2581-69-3	-----		DYE-005S	
Disperse Orange 3		730-40-5	-----		DYE-006S	
Disperse Orange 11		82-28-0	-----		DYE-002S	
Disperse Orange 37		13301-61-6	-----		DYE-011S	
Disperse Red 1		2872-52-8	-----		DYE-007S	
Disperse Red 11		2872-48-2	-----		DYE-018S	
Disperse Red 17		3179-89-3	-----		DYE-019S	
Disperse Yellow 1		119-15-3	-----		DYE-053S	
Disperse Yellow 3		2832-40-8	DYE-003N		DYE-003S	
Disperse Yellow 9		6373-73-5	-----		DYE-008S	
Eosin Y		15086-94-9	DYE-127N		DYE-127S	
Eriochrome Black A		3618-58-4	DYE-109N		DYE-109S	
FD & C Blue 1		3844-45-9	DYE-062N		DYE-062S	
FD & C Blue 2		860-22-0	DYE-063N		DYE-063S	
FD & C Red 3		16423-68-0	DYE-057N		DYE-057S	
FD & C Red 40		25956-17-6	DYE-056N		-----	
FD & C Yellow 5		1934-21-0	DYE-058N		DYE-058S	
Food Yellow 3	<i>Sunset Yellow FCF</i>	2783-94-0	DYE-024N		DYE-024S	
Metanil Yellow		587-98-4	DYE-117N		DYE-117S	
Methyl Blue		28983-56-4	DYE-128N		DYE-128S	
2,3-Naphthalenediol		92-44-4	-----		DYE-033S *	
2-Nitro-1,4-phenylenediamine		5307-14-2	DYE-110N		DYE-110S	
Orange II sodium salt		633-96-5	DYE-116N		DYE-116S	
Para Red		6410-10-2	DYE-026N		DYE-026S **	
Ponceau SX		4548-53-2	-----		DYE-112S	
<i>Ponceau Xylidine</i>	see Acid Red 26					
Rhodamine B		81-88-9	-----		DYE-118S	
Solvent Orange 7	Sudan II	3118-97-6	DYE-021N		DYE-021S	
Solvent Red 19	<i>Sudan Red 7B</i>	6368-72-5	DYE-025N		DYE-025S	
Solvent Red 23	<i>Sudan III</i>	85-86-9	DYE-022N		DYE-022S	
Solvent Red 24	<i>Sudan IV</i>	85-83-6	DYE-023N		DYE-023S	
Solvent Yellow 1		60-09-3	-----		DYE-029S	
Solvent Yellow 14	<i>Sudan I, Solvent Orange R</i>	842-07-9	DYE-020N		DYE-020S	
Sudan II	Solvent Orange 7	3118-97-6	DYE-045N		DYE-045S	
Timbasol Brown trans oxide			DYE-055N		DYE-055S	
Victoria Blue	<i>Basic Blue 26</i>	2580-56-5	DYE-111N		DYE-111S	

* in AcCN
** in THF

EU Directive 2002/61/EC Determination of Aryl Amine Breakdown Products in Azo Dyes

Individual Aryl Amine Standards

Compound	100 µg/mL in AcCN 1 mL	1000 µg/mL in AcCN 1 mL	10 µg/mL in Ethyl acetate for 10 mL 10 mL
<i>o</i> -Aminoazotoluene	RAC-01	RAC-01-10X	RAC-01-EA-0.1X-10ML
4-Aminobiphenyl	RAC-02	RAC-02-10X	RAC-02-EA-0.1X-10ML
2-Amino-4-nitrotoluene	RAC-03	RAC-03-10X	RAC-03-EA-0.1X-10ML
Benzidine †	RAC-04	RAC-04-10X	RAC-04-EA-0.1X-10ML
4-Chloroaniline	RAC-05	RAC-05-10X	RAC-05-EA-0.1X-10ML
4-Chloro- <i>o</i> -toluidine	RAC-06	RAC-06-10X	RAC-06-EA-0.1X-10ML
<i>p</i> -Cresidine	RAC-07	RAC-07-10X	RAC-07-EA-0.1X-10ML
2,4-Diaminoanisole *	RAC-08	RAC-08-10X	RAC-08-EA-0.1X-10ML
4,4'-Diaminodiphenylmethane	RAC-09	RAC-09-10X	RAC-09-EA-0.1X-10ML
2,4-Diaminotoluene	RAC-10	RAC-10-10X	RAC-10-EA-0.1X-10ML
3,3'-Dichlorobenzidine †	RAC-11	RAC-11-10X	RAC-11-EA-0.1X-10ML
3,3'-Dimethoxybenzidine †	RAC-12	RAC-12-10X	RAC-12-EA-0.1X-10ML
3,3'-Dimethylbenzidine †	RAC-13	RAC-13-10X	RAC-13-EA-0.1X-10ML
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	RAC-14	RAC-14-10X	RAC-14-EA-0.1X-10ML
4,4'-Methylenebis(2-chloroaniline)	RAC-15	RAC-15-10X	RAC-15-EA-0.1X-10ML
2-Naphthylamine	RAC-16	RAC-16-10X	RAC-16-EA-0.1X-10ML
4,4'-Oxydianiline	RAC-17	RAC-17-10X	RAC-17-EA-0.1X-10ML
4,4'-Thiodianiline	RAC-18	RAC-18-10X	RAC-18-EA-0.1X-10ML
<i>o</i> -Toluidine	RAC-19	RAC-19-10X	RAC-19-EA-0.1X-10ML
2,4,5-Trimethylaniline	RAC-20	RAC-20-10X	RAC-20-EA-0.1X-10ML
<i>p</i> -Aminoazobenzene	RAC-21	RAC-21-10X	RAC-21-EA-0.1X-10ML
2-Aminobiphenyl	RAC-22	RAC-22-10X	RAC-22-EA-0.1X-10ML
<i>o</i> -Anisidine	RAC-23	RAC-23-10X	RAC-23-EA-0.1X-10ML
3-Chloro- <i>o</i> -toluidine	RAC-24	RAC-24-10X	RAC-24-EA-0.1X-10ML

RAC-R1-SET 24 x 1 mL

100 µg/mL * In the form of the Sulfate hydrate 171 µg/mL in Pyridine (100 µg/mL as the base)

RAC-R1-10X-SET 24 x 1 mL

1000 µg/mL * In the form of the Sulfate hydrate 1,710 µg/mL in Pyridine (1000 µg/mL as the base)

† Subject to oxidation

Carcinogenic Aryl Amine Mix

AE-00049-R1 1 x 1 mL
10 µg/mL in Ethyl acetate 23 comps.

AE-00049-R1-10ML 1 x 10 mL
10 µg/mL in Ethyl acetate 23 comps.

o-Aminoazotoluene
4-Aminobiphenyl
2-Amino-4-nitrotoluene
Benzidine †
4-Chloroaniline
4-Chloro-*o*-toluidine
p-Cresidine
4,4'-Diaminodiphenylmethane
2,4-Diaminotoluene
3,3'-Dichlorobenzidine †
3,3'-Dimethoxybenzidine †
3,3'-Dimethylbenzidine †
3,3'-Dimethyl-4,4'-diaminodiphenylmethane
4,4'-Methylenebis(2-chloroaniline)
2-Naphthylamine
4,4'-Oxydianiline
4,4'-Thiodianiline
o-Toluidine
2,4,5-Trimethylaniline
p-Aminoazobenzene
2-Aminobiphenyl
o-Anisidine
3-Chloro-*o*-toluidine

Internal Standards

RAC-IS 1 x 1 mL
1000 µg/mL in AcCN

RAC-IS-EA 1 x 1 mL
1000 µg/mL in Ethyl acetate

3,3',5,5'-Tetramethylbenzidine †

AE-00049-SET 2 x 1 mL
AE-00049-R1, RAC-08



EU Directive 67/548/EEC Dyes

Criterion #22 Regulated Dyes Carcinogenic

Compound	100 µg/ml in MeOH Cat. No. 1 mL
Disperse Blue 1	DYE-001S
Disperse Orange 11	DYE-002S
Disperse Yellow 3	DYE-003S
Basic Violet 14	DYE-012S
Direct Black 38	DYE-013S
Direct Blue 6	DYE-014S

Criterion #23 Regulated Dye Disperse dyes, Sensitizing

Compound	100 µg/ml in MeOH Cat. No. 1 mL
Disperse Blue 3	DYE-004S
Disperse Orange 1	DYE-005S
Disperse Orange 3	DYE-006S
Disperse Red 1	DYE-007S
Disperse Yellow 9	DYE-008S
Disperse Blue 35	DYE-009S
Disperse Blue 124	DYE-010S
Disperse Orange 37	DYE-011S
Disperse Blue 7	DYE-015S
Disperse Blue 26	DYE-016S
Disperse Blue 102	DYE-017S
Disperse Red 11	DYE-018S
Disperse Red 17	DYE-019S

EU Directive 76/768/EEC Substances contained in Hair Dyes Ban

Compound	CAS No.	NEAT 100 mg Cat. No.	100 µg/ml in MeOH 1 mL Cat. No.
2-Amino-3-nitrophenol	603-85-0	DYE-107N	DYE-107S
2-Amino-5-(diethylamino)toluene monohydrochloride	2051-79-8	DYE-104N	DYE-104S
2-Aminophenol	95-55-6	DYE-108N	DYE-108S
Basic Blue 7	2390-60-5	DYE-113N	DYE-113S
Basic Red 2	477-73-6	DYE-114N	DYE-114S
Crocein Scarlet 3b	5413-75-2	DYE-115N	DYE-115S
2,4-Diaminodiphenylamine	136-17-4	DYE-102N	-----
2,6-Diaminopyridine	141-86-6	DYE-103N	DYE-103S
N,N-Dimethyl-1,4-phenylenediamine	99-89-9	DYE-106N	DYE-106S
Eriochrome Black A	3618-58-4	DYE-109N	DYE-109S
2-Nitro-1,4-phenylenediamine	5307-14-2	DYE-110N	DYE-110S
Ponceau SX	4548-53-2	-----	DYE-112S
Victoria Blue	2580-56-5	DYE-111N	DYE-111S