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ANNEX IV

LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS

Preamble

Without prejudice to other provisions in this Regulation, a colorant shall include its salts and lakes and when a colorant is expressed as a specific salt, its other salts and lakes shall also be included.

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/ Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
1	Sodium tris(1,2-naphthoquinone 1-oximato-O,O')ferrate(1-)	10006			Green	Rinse-off products			
2	Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-)	10020			Green	Not to be used in products applied on mucous membranes			
3	Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	10316			Yellow	Not to be used in eye products			
4	2-[(4-Methyl-2-	11680			Yellow	Not to be			

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						used in products applied on mucous membranes			
5	2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxobutyramide	11710			Yellow	Not to be used in products applied on mucous membranes			
6	2-[(4-Methoxy-2-nitrophenyl)azo]-3-oxo-N-(o-tolyl)butyramide	11725			Orange	Rinse-off products			
7	4-(Phenylazo)resorcinol	11920			Orange				
8	4-[(4-Ethoxyphenyl)azo]naphthol	12010			Red	Not to be used in products applied on mucous membranes			
9	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol and its insoluble barium, strontium and zirconium lakes, salts and pigments	12085			Red		3 %		
10	1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthol	12120			Red	Rinse-off products			

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11	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide	12370			Red	Rinse-off products			
12	N-(4-Chloro-2-methylphenyl)-4-[(4-chloro-2-methylphenyl)azo]-3-hydroxynaphthalene-2-carboxamide	12420			Red	Rinse-off products			
13	4-[(2,5-Dichlorophenyl)azo]-N-(2,5-dimethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide	12480			Brown	Rinse-off products			
14	N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide	12490			Red				
15	2,4-Dihydro-5-methyl-2-phenyl-4-(phenylazo)-3H-pyrazol-3-one	12700			Yellow	Rinse-off products			
16	Disodium 2-amino-5-[(4-sulphonatophenyl)azo]benzenesulphonate	13015			Yellow				
17	Sodium 4-(2,4-dihydroxyphenylazo)benzenesulphonate	14270			Orange				
18	Disodium 3-[(2,4-dimethyl)-5-	14700			Red				

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			sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate					
19	Disodium	14720	4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate	222-657-4	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 122)
20	Disodium	14815	6-[(2,4-dimethyl-6-sulphonatophenyl)azo]-5-hydroxynaphthalene-1-sulphonate		Red			
21	Sodium	15510	4-[(2-hydroxy-1-naphthyl)azo]benzenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments		Orange	Not to be used in eye products		
22	Calcium disodium	15525	bis[2-chloro-5-[(2-hydroxy-1-naphthyl)azo]-4-sulphonatobenzoate]		Red			
23	Barium	15580	bis[4-[(2-hydroxy-1-naphthyl)azo]-2-methylbenzenesulphonate]		Red			

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24	Sodium 4-[(2-Hydroxy-1-naphthyl)azo]naphthalenesulphonate	15620			Red	Rinse-off products			
25	Sodium 2-[(2-hydroxynaphthyl)azo]naphthalenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15630			Red		3 %		
26	Calcium bis[3-hydroxy-4-(phenylazo)-2-naphthoate]	15800			Red	Not to be used in products applied on mucous membranes			
27	Disodium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15850	226-109-	Red				Purity criteria as set out in Commission Directive 95/45/EC (E 180)	
28	Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate	15865			Red				

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	and its insoluble barium, strontium and zirconium lakes, salts and pigments							
29	Calcium 15880 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate				Red			
30	Disodium 5980 6-hydroxy-5-[(3-sulphonatophenyl)azo]naphthalene-2-sulphonate				Orange			
31	Disodium 5985 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments		220-491		Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 110)
32	Disodium 6035 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate		247-368		Red			Purity criteria as set out in Commission Directive 95/45/EC (E 129)

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33	Trisodium 3- hydroxy-4- [(4'- sulphonato naphthyl)azo] naphthalene-2,7- disulphonate	16185	213-022	Red			Purity criteria as set out in Commission Directive 95/45/ EC (E 123)
34	Disodium 7- hydroxy-8- (phenylazo) naphthalene-1,3- disulphonate	16230		Orange	Not to be used in products applied on mucous membranes		
35	Trisodium 1-(1- naphthylazo)-2- hydroxy naphthalene-4',6,8- trisulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	16255	220-036	Red			Purity criteria as set out in Commission Directive 95/45/ EC (E 124)
36	Tetrasodium 7- hydroxy-8- [(4- sulphonato-1- naphthyl)azo] naphthalene-1,3,6- trisulphonate	16290		Red			
37	Disodium 5- amino-4- hydroxy-3- (phenylazo) naphthalene-2,7- disulphonate and its insoluble barium, strontium	17200		Red			

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	and zirconium lakes, salts and pigments							
38	Disodium 18050 5-acetylamino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate		223-098	Red	Not to be used in products applied on mucous membranes		Purity criteria as set out in Commission Directive 95/45/EC (E 128)	
39	2,7-Naphthalenedisulfonic acid, 3-((4-cyclohexyl-2-methylphenyl)azo)-4-hydroxy-5-(((4-methylphenyl)sulfonyl)amino)-, disodium salt	18130		Red	Rinse-off products			
40	Hydrogen 18690 bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)			Yellow	Rinse-off products			
41	Disodium 18736 hydrogen bis[5-chloro-3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxybenzenesulphonato(3-)]chromate(3-)			Red	Rinse-off products			

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42	Sodium 4-(3- hydroxy-5- methyl-4- (phenylazo)pyrazol-2- yl)benzenesulphonate	18820			Yellow	Rinse- off products			
43	Disodium 2,5- dichloro-4- (5- hydroxy-3- methyl-4- (sulphophenyl)azo)pyrazol-1- yl)benzenesulphonate	18965			Yellow				
44	Trisodium 5- hydroxy-1- (4- sulphophenyl)-4- (4- sulphophenyl)azo)pyrazole-3- carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments	19140	217-699-5		Yellow			Purity criteria as set out in Commission Directive 95/45/ EC (E 102)	
45	N,N'- (3,3'- Dimethyl[1,1'- biphenyl]-4,4'- diyl)bis[2- [(2,4- dichlorophenyl)azo]-3- oxobutyramide]	20040			Yellow	Rinse- off products		Maximum 3,3'- dimethylbenzidine concentration in the colouring agent: 5 ppm	
46	Sodium 4- amino-5- hydroxy-3- (4- nitrophenyl)azo)-6- (phenylazo)naphthalene-2,7- disulphonate	20470			Black	Rinse- off products			

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47	2,2'- [(3,3'- Dichloro[1,1'- biphenyl]-4,4'- diyl)bis(azo)]bis[N- (2,4- dimethylphenyl)-3- oxobutyramide]	21100			Yellow	Rinse- off products		Maximum 3,3'- dimethylbenzidine concentration in the colouring agent: 5 ppm
48	2,2'- [(3,3'- Dichloro[1,1'- biphenyl]-4,4'- diyl)bis(azo)]bis[N- (4- chloro-2,5- dimethoxyphenyl)-3- oxobutyramide]	21108			Yellow	Rinse- off products		Maximum 3,3'- dimethylbenzidine concentration in the colouring agent: 5 ppm
49	2,2'- [Cyclohexylidenebis[(2- methyl-4,1- phenylene)azo]]bis[4- cyclohexylphenol]	21230			Yellow	Not to be used in products applied on mucous membranes		
50	Disodium 4,6- dihydroxy-3- [[4-[1- [4-[1- hydroxy-7- [(phenylsulphonyl)oxy]-3- sulphonato-2- naphthyl]azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-2- sulphonate	24790			Red	Rinse- off products		
51	1-(4- (Phenylazo)phenylazo)-2- naphthol	26100			Red	Not to be used in products applied on mucous membranes		Purity criteria: aniline ≤ 0,2 % 2- naphthol ≤ 0,2 % 4- aminoazobenzene ≤ 0,1 % 1- (phenylazo)-2- naphthol ≤ 3 %

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							1-[2-(phenylazo)phenylazo]-2-naphthalenol ≤ 2 %	
52	Tetrasodium 6-amino-4-hydroxy-3-[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate	27755			Black			
53	Tetrasodium 1-acetamido-2-hydroxy-3-(4-((4-sulphonatophenylazo)-7-sulphonato-1-naphthylazo))naphthalene-4,6-disulphonate	28440		219-746	Black		Purity criteria as set out in Commission Directive 95/45/EC (E 151)	
54	Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo] benzenesulfonic acid, sodium salts	40216			Orange	Rinse-off products		
55	beta Carotene	40800		230-636	Orange		Purity criteria as set out in Commission Directive 95/45/EC (E160a)	

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56	8'-apo-beta-Caroten-8'-al	40820			Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160e)
57	Ethyl 8'-apo-beta-caroten-8'-oate	40825		214-173	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160f)
58	Canthaxanthin	40850		208-187	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 161g)
59	Ammonium (4-(alpha-(p-(diethylamino)phenyl)-2,4-disulfobenzylidene)-2,5-cyclohexadien-1-ylidene)diethyl-, hydroxide, monosodium salt	42045			Blue	Not to be used in products applied on mucous membranes		
60	Ethanaminium N-(4-((4-(diethylamino)phenyl)(5-hydroxy-2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-,	42051		222-573	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 131)

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	hydroxide, inner salt, calcium salt (2:1) and its insoluble barium, strontium and zirconium lakes, salts and pigments							
61	Benzene-42053 methanaminium, N-ethyl- N-(4- (4- (ethyl((3- sulfo-phenyl)methyl)amino) phenyl) (4- hydroxy-2- sulfo-phenyl)methylene)-2,5- cyclohexadien-1- ylidene)-3- sulfo-, hydroxide, inner salt, disodium salt			Green				
62	Hydrogen-42080 (benzyl) [4-[[4- [benzylethylamino]phenyl] (2,4- disulphonatophenyl)methylene]cyclohexa-2,5- dien-1- ylidene] (ethyl)ammonium, sodium salt			Blue	Rinse- off products			
63	Benzene-42090 methanaminium, N-		223-339	Blue			Purity criteria as set	

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	ethyl-N-(4-((4-(ethyl((3-sulphophenyl)methyl)amino)phenyl)(2-sulphophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt						out in Commission Directive 95/45/EC (E 133)
64	Hydrogen 42100 [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] (ethyl) (3-sulphonatobenzyl)ammonium, sodium salt			Green	Rinse-off products		
65	Hydrogen 42170 [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene] (ethyl) (3-sulphonatobenzyl)ammonium, sodium salt			Green	Rinse-off products		
66	(4-(4-Aminophenyl)(4-iminocyclohexa-2,5-dienylidene)methyl)-2-	42510		Violet	Not to be used in products applied		

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	methylamine hydrochloride				on mucous membranes			
67	4-[(4-Amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride	42520			Violet	Rinse-off products	5ppm	
68	Hydrogen[4-[[4-(diethylamino)phenyl][4-[ethyl[(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt	42735			Blue	Not to be used in products applied on mucous membranes		
69	[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	44045			Blue	Not to be used in products applied on mucous membranes		
70	Hydrogen[4-[4-(dimethylamino)-alpha-(2-hydroxy-3,6-disulphonato-1-naphthyl)benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium,	44090	221-409-0	Green				Purity criteria as set out in Commission Directive 95/45/EC (E 142)

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	monosodium salt							
71	Hydrogen 45100 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylium, sodium salt			Red	Rinse-off products			
72	Hydrogen 45190 9-(2-carboxylatophenyl)-3-(2-methylamino)-6-(2-methyl-4-sulphoanilino)xanthylium, monosodium salt			Violet	Rinse-off products			
73	Hydrogen 45220 9-(2,4-disulphonatophenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylium, monosodium salt			Red	Rinse-off products			
74	Disodium 45350 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate			Yellow		6 %		
75	4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one and its insoluble barium, strontium and zirconium lakes, salts and pigments	45370		Orange			Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)	

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							benzoic acid	
76	Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthene-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	45380			Red		Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthene-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthene-9-yl) benzoic acid	
77	3',6'-Dihydroxy-4',5'-dinitrospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one	45396			Orange	1 %, when used in lip products	Only in free acid form, when used in lip products	
78	Dipotassium 3,6-dichloro-2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthene-9-yl)benzoate	45405			Red	Not to be used in eye products	Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthene-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthene-9-yl) benzoic acid	

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79	3,4,5,6-Tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid and its insoluble barium, strontium and zirconium lakes, salts and pigments	45410			Red			Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid
80	Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	45430	240-474	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 127)	
81	1,3-Isobenzofurandione, reaction products with methylquinoline and quinoline	47000			Yellow	Not to be used in products applied on mucous membranes		
82	1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl)-, sulfonated,	47005	305-897	Yellow			Purity criteria as set out in Commission Directive	

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	sodium salts						95/45/EC (E 104)	
83	Hydrogen-9-[(3-methoxyphenyl)amino]-7-phenyl-5-(phenylamino)-4,10-disulphonatobenzo[a]phenazinium, sodium salt	60325			Violet	Rinse-off products		
84	Sulfonated nigrosine color	60420			Black	Not to be used in products applied on mucous membranes		
85	8,18-Dichloro-5,15-diethyl-5,15-dihydroindolo[3,2-b:3',2'-m]triphenodioxazine	51319			Violet	Rinse-off products		
86	1,2-Dihydroxyanthraquinone	58000			Red			
87	Trisodium 8-hydroxypyrene-1,3,6-trisulphonate	59040			Green	Not to be used in products applied on mucous membranes		
88	1-Anilino-4-hydroxyanthraquinone	60724			Violet	Rinse-off products		
89	1-Hydroxy-4-(p-toluidino)anthraquinone	60725			Violet			
90	Sodium 4-[(9,10-dihydro-4-hydroxy-9,10-	60730			Violet	Not to be used in products applied		

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	dioxo-1-anthryl)amino]toluene-3-sulphonate				on mucous membranes			
91	1,4-bis(p-Tolylamino)anthraquinone	61565			Green			
92	Disodium 2,2'-(9,10-dioxoanthracene-1,4-diyl-diimino)bis(5-methylsulphonate)	61570			Green			
93	Sodium 3,3'-(9,10-dioxoanthracene-1,4-diyl-diimino)bis(2,4,6-trimethylbenzenesulphonate)	61585			Blue	Rinse-off products		
94	Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate	62045			Blue	Rinse-off products		
95	6,15-Dihydroanthrazine-5,9,14,18-tetrone	69800			Blue			
96	7,16-dichloro-6,15-dihydroanthrazine-5,9,14,18-tetrone	69825			Blue			
97	Bisbenzimidazole[2,1-b:2',1'-i]benzo[1,2,3-cd]phenanthroline-8,17-dione	71405			Orange	Not to be used in products applied on mucous membranes		
98	2-(1,3-Dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-	73000			Blue			

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	indol-3-one							
99	Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate	73015		212-728	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 132)
100	6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one	73360			Red			
101	5-Chloro-2-(5-chloro-7-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-7-methylbenzo[b]thiophene-3(2H)-one	73385			Violet			
102	5,12-Dihydroquino[2,3-b]acridine-7,14-dione	73900			Violet	Rinse-off products		
103	5,12-Dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione	73915			Red	Rinse-off products		
104	29H,31H Phthalocyanine	74100			Blue	Rinse-off products		
105	29H,31H Phthalocyaninato(2-)-N29,N30,N31,N32 copper	74160			Blue			

a For use as a UV-Filter, see Annex VI, No. 27.

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106	Disodium [29H,31H- phthalocyaninedisulphonato (4-)- N29,N30,N31,N32] cuprate (2-)	74180			Blue	Rinse- off products			
107	Polychloro copper phthalocyanine	74260			Green	Not to be used in eye products			
108	8,8'- diapo- Carotene dioic acid	75100			Yellow				
109	Annatto	75120		215-735-4289-561-2/230-248-7	Orange			Purity criteria as set out in Commission Directive 95/45/ EC (E 160b)	
110	Lycopene	75125		—	Yellow			Purity criteria as set out in Commission Directive 95/45/ EC (E 160d)	
111	CI Food Orange 5	75130		214-171-0	Orange			Purity criteria as set out in Commission Directive 95/45/ EC (E 160a)	
112	(3R)- beta-4- Caroten-3- ol	75135			Yellow				

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113	2-Amino-1,7-dihydro-6H-purin-6-one	75170			White				
114	Curcumin	75300		207-280-5	Yellow				Purity criteria as set out in Commission Directive 95/45/EC (E 100)
115	Carmines	75470		215-680-6	Red	215-023-3/215-724-4			Purity criteria as set out in Commission Directive 95/45/EC (E 120)
116	Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-) (Chlorophylls)	75810		215-800-7	Green	215-536-6/208-272-4/287-983-3			Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141)
117	Aluminium	77000		231-072-3	White				Purity criteria as set out in Commission Directive 95/45/EC (E 173)

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118	Aluminium hydroxide sulphate	77002			White			
119	Natural hydrated aluminium silicate, $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$, containing calcium, magnesium or iron carbonates, ferric hydroxide, quartz-sand, mica, etc. as impurities	77004			White			
120	Lazurite	77007			Blue			
121	Aluminium silicate coloured with ferric oxide	77015			Red			
122	Barium sulfate	77120			White			
123	Bismuth chloride oxide	77163			White			
124	Calcium carbonate	77220	207-439-9	215-279-6	White			Purity criteria as set out in Commission Directive 95/45/EC (E 170)
125	Calcium sulfate	77231			White			
[^{F1} 126	Carbon black	77266	1333-86-4, 7440-44-0	215-609-9, 231-153-3, 931-328-0, 931-334-3	Black			Purity > 97 %, with the

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							following impurity profile: Ash content ≤ 0,15 %, total sulphur ≤ 0,65 %, total PAH ≤ 500 ppb and benzo(a)pyrene ≤ 5 ppb, dibenz(a,h)anthracene ≤ 5 ppb, total As ≤ 3 ppm, total Pb ≤ 10 ppm, total Hg ≤ 1 ppm.
126a	Carbon black	77266 (nano) Carbon Black (nano)	1333-86-7440-44	215-609-031-153-3, 931-328-0, 931-334-3	Black	10 %	Not to be used in applications that may lead to exposure of the end user's lungs by inhalation. Only nanomaterials having the following characteristics are allowed:

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								—	Purity > 97 %, with the following impurity profile: Ash content ≤ 0,15 %, total sulphur ≤ 0,65 %, total PAH ≤ 500 ppb and benzo(a)pyrene ≤ 5 ppb, dibenz(a,h)anthracene ≤ 5 ppb, total As ≤ 3 ppm, total Pb ≤ 10 ppm, and total Hg ≤ 1 ppm; Primary particle size
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								≥ 20 nm.
127	Charcoal, bone. A fine black powder obtained by burning animal bones in a closed container. It consists primarily of calcium phosphate and carbon	77267			Black			
128	Coke black	77268:1			Black			
129	Chromium (III) oxide	77288			Green		free from chromate ion	
130	Chromium (III) hydroxide	77289			Green		free from chromate ion	
131	Cobalt Aluminum Oxide	77346			Green			
132	Copper	77400			Brown			
133	Gold	77480		231-165-9	Brown		Purity criteria as set out in Commission Directive 95/45/ EC (E 175)	

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134	Iron oxide	77489			Orange			
135	Iron Oxide Red	77491		215-168-	Red		Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
136	Iron Oxide Yellow	77492	51274-00	257-098-	Yellow		Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
137	Iron Oxide Black	77499		235-442-	Black		Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
138	Ferric Ammonium Ferrocyanide	77510			Blue		free from cyanide ions	
139	Magnesium carbonate	77713			White			
140	Ammonium manganese(3+) diphosphate	77742			Violet			
141	Trimangan bis (orthophosphate)	77745			Red			
142	Silver	77820		231-131-	White		Purity criteria as set out in Commission Directive	

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								95/45/ EC (E 174)
143	Titanium dioxide ^a	77891		236-675-	White			Purity criteria as set out in Commission Directive 95/45/ EC (E 171)
144	Zinc oxide	77947			White			
145	Riboflavin Lactoflavin			201-507-	Yellow	2014-088-6		Purity criteria as set out in Commission Directive 95/45/ EC (E 101)
146	Caramel	Caramel		232-435-	Brown			Purity criteria as set out in Commission Directive 95/45/ EC (E 150a-d)
147	Paprika extract, Capsanthin, capsorubin	Capsanthin, capsorubin		207-364-	Orange	2014-125-2		Purity criteria as set out in Commission Directive 95/45/ EC (E 160c)
148	Beetroot red	Beetroot Red	7659-95-	231-628-	Red			Purity criteria as set out in Commission Directive 95/45/ EC (E 160c)

^a For use as a UV-Filter, see Annex VI, No. 27.

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								EC (E 162)
149	Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)	Anthocyanins	528-58-5 134-01-0 528-53-0 643-84-5 134-04-3	208-438-6 205-125-6 211-403-8 208-437-0 — 205-127-7	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 163)
150	Aluminium zinc, magnesium and calcium stearates	Aluminium stearate Zinc stearate Magnesium stearate Calcium stearate	7047-84-5 557-05-1 557-04-0 216-472-8	230-325-5 209-151-9 209-150-3 216-472-8	White			
151	Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-3-methyl-6-(1-methylethyl)-, S,S-dioxide	Bromothymol blue	76619-5	200-971-8	Blue	Rinse-off products		
152	Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide	Bromocresol green	76610-8	200-972-8	Green	Rinse-off products		
153	Sodium 4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-3-hydroxynaphthalene-1-sulphonate	Acid red 195	12220-24-5	—	Red	Not to be used in products applied on mucous membranes		

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Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) 2016/1120 of 11 July 2016 amending Annex IV to Regulation \(EC\) No 1223/2009 of the European Parliament and of the Council on cosmetic products \(Text with EEA relevance\)](#).

Status:

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Changes to legislation:

There are currently no known outstanding effects for the Regulation (EC) No 1223/2009 of the European Parliament and of the Council, ANNEX IV.