

*Status: Point in time view as at 03/09/2017.**Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1223/2009 of the European Parliament and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. (See end of Document for details)*

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			

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

b [F¹For use as a UV-filter, see Annex VI, No 30 and No 30a.]

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4	2-[(4-Methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	11680			Yellow	Not to be 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 %		

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10	1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthol	12120			Red	Rinse-off products			
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				

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17	Sodium 4-(2,4- dihydroxyphenylazo)benzenesulphonate	14270			Orange				
18	Disodium 3-[(2,4- dimethyl-5- sulphonatophenyl)azo]-4- hydroxynaphthalene-1- sulphonate	14700			Red				
19	Disodium 4- hydroxy-3- [(4- sulphonatonaphthyl)azo]naphthalenesulphonate	14720		222-657-4	Red			Purity criteria as set out in Commission Directive 95/45/ EC (E 122)	
20	Disodium 6-[(2,4- dimethyl-6- sulphonatophenyl)azo]-5- hydroxynaphthalene-1- sulphonate	14815			Red				
21	Sodium 4-[(2- hydroxy-1- naphthyl)azo]benzenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15510			Orange	Not to be used in eye products			
22	Calcium disodium bis[2- chloro-5- [(2- hydroxy-1- naphthyl)azo]-4- sulphonatobenzoate]	15525			Red				

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23	Barium bis[4-[(2-hydroxy-1-naphthyl)azo]-2-methylbenzenesulphonate]	15580			Red				
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	15850		226-109-	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 180)	

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	and pigments							
28	Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15865			Red			
29	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate	15880			Red			
30	Disodium 6-hydroxy-5-[(3-sulphonatophenyl)azo]naphthalene-2-sulphonate	15980			Orange			
31	Disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15985	220-491	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 110)	

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32	Disodium 6- hydroxy-5- [(2- methoxy-4- sulphonato- m- tolyl)azo]naphthalene-2- sulphonate	16035	247-368	Red			Purity criteria as set out in Commission Directive 95/45/ EC (E 129)
33	Trisodium 3- hydroxy-4- [(4'- sulphonatonaphthyl)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- hydroxynaphthalene-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-	16290		Red			

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	naphthyl)azo]naphthalene-1,3,6-trisulphonate						
37	Disodium 7200 5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments			Red			
38	Disodium 8050 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 8690 bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)			Yellow	Rinse-off products		

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41	Disodium hydrogen bis[5- chloro-3- [(4,5- dihydro-3- methyl-5- oxo-1- phenyl-1H- pyrazol-4- yl)azo]-2- hydroxybenzenesulphonato(3-)]chromate(3-)	18736			Red	Rinse- off products		
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'-	20040			Yellow	Rinse- off products	Maximum 3,3'- dimethylbenzidine concentration	

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								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		
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		

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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 % 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		219-746-3	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	40215c			Orange	Rinse-off products			

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	4-[(4-aminophenyl)azo] benzenesulfonic acid, sodium salts							
55	beta Carotene	40800		230-636	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E160a)
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-	42045			Blue	Not to be used in products applied		

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	disulfobenzylidene)-2,5-cyclohexadien-1-ylidene)diethyl-, hydroxide, monosodium salt				on mucous membranes		
60	Ethanaminium-42051 N-(4-((4-(diethylamino)phenyl)(5-hydroxy-2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, calcium salt (2:1) and its insoluble barium, strontium and zirconium lakes, salts and pigments	222-573-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 131)	
61	Benzene-42053 methanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(4-hydroxy-2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide,		Green				

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	inner salt, disodium salt							
62	Hydrogen (benzyl) [4-[[4-[benzylethylamino]phenyl] (2,4-disulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene] (ethyl) ammonium, sodium salt	42080			Blue	Rinse-off products		
63	Benzene methanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfo-phenyl)methyl)amino)phenyl) (2-sulfo-phenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt	42090	223-339	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 133)	
64	Hydrogen [4-[(2-chlorophenyl) [4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] (ethyl) (3-sulphonatobenzyl) ammonium, sodium salt	42100			Green	Rinse-off products		

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65	Hydrogen [4-[(2- chlorophenyl) [4- [ethyl(3- sulphonatobenzyl)amino]- o- tolyl]methylene]-3- methylcyclohexa-2,5- dien-1- ylidene] (ethyl) (3- sulphonatobenzyl)ammonium, sodium salt	42170			Green	Rinse- off products			
66	(4-(4- Aminophenyl) (4- iminocyclohexa-2,5- dienylidene)methyl)-2- methylamine hydrochloride	42510			Violet	Not to be used in products applied 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)	42735			Blue	Not to be used in products applied on mucous membranes			

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	(3-sulphonatobenzyl)ammonium, sodium salt							
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, monosodium salt	44090		221-409-2	Green			Purity criteria as set out in Commission Directive 95/45/EC (E 142)
71	Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylium, sodium salt	45100			Red	Rinse-off products		
72	Hydrogen 9-(2-carboxylatophenyl)-3-(2-methylamino)-6-(2-methyl-4-sulphoanilino)xanthylium, monosodium salt	45190			Violet	Rinse-off products		
73	Hydrogen 9-(2,4-disulphonatophenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylium, monosodium salt	45220			Red	Rinse-off products		

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74	Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate	45350			Yellow		6 %	
75	4',5'-Dibromo-3',6'-dihydroxy-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) benzoic acid
76	Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-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-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-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

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								used in lip products
78	Dipotassium 3,6- dichloro-2- (2,4,5,7- tetrabromo-6- oxido-3- oxoxanthen-9- yl)benzoate	45405			Red	Not to be used in eye products		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
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	45430	240-474		Red			Purity criteria as set out in Commission Directive 95/45/

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	and its insoluble barium, strontium and zirconium lakes, salts and pigments						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, sodium salts	47005		305-897-5	Yellow		Purity criteria as set out in Commission Directive 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-	51319			Violet	Rinse-off products		

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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- dioxo-1- anthryl)amino]toluene-3- sulphonate	60730			Violet	Not to be used in products applied on mucous membranes		
91	1,4- bis(p- Tolylamino)anthraquinone	61565			Green			
92	Disodium 2,2'- (9,10- dioxoanthracene-1,4- diyldiimino)bis(5- methylsulphonate)	61570			Green			
93	Sodium 3,3'- (9,10- dioxoanthracene-1,4- diyldiimino)bis(2,4,6- trimethylbenzenesulphonate)	61585			Blue	Rinse- off products		
94	Sodium 1- amino-4-	62045			Blue	Rinse- off products		

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

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	(cyclohexylamino)-9,10-dihydro-9,10-dioxanthracene-2-sulphonate							
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[1,2,3,8]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-indol-3-one	73000			Blue			
99	Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate	73015	212-728-8		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			

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101	5-Chloro-2-(5-chloro-7-methyl-3-oxobenzob[thien-2(3H)-ylidene)-7-methylbenzob[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				
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-,psi-,psi.-Carotenedioic acid	75100			Yellow				
109	Annatto	75120		215-735-0289-561-2/230-248-7					Purity criteria as set out in Commission Directive

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								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	Orange			Purity criteria as set out in Commission Directive 95/45/ EC (E 160a)
112	(3R)- beta-4- Caroten-3- ol	75135			Yellow			
113	2- Amino-1,7- dihydro-6H- purin-6- one	75170			White			
114	Curcumin	75300		207-280	Yellow			Purity criteria as set out in Commission Directive 95/45/ EC (E 100)
115	Carmine	75470		215-680- 621	Red	215-023-3/215-724-4		Purity criteria as set out in Commission Directive 95/45/

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								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		215-800-7267	White	536-6/208-272-4/287-4813/239-830-5/246-020-5		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)
118	Aluminium hydroxide sulphate	77002			White			
119	Natural hydrated aluminium silicate, $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$, containing calcium, magnesium or iron carbonates, ferric hydroxide, quartz-sand, mica, etc. as impurities	77004			White			
120	Lazurite	77007			Blue			

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121	Aluminum 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	White	279-6			Purity criteria as set out in Commission Directive 95/45/EC (E 170)
125	Calcium sulfate	77231			White				
[^{F2} 126	Carbon black	77266	1333-86-4, 7440-44-2	215-609-0, 931-153-3, 931-328-0, 931-334-3	Black				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

a For use as a UV-Filter, see Annex VI, No. 27.**b** [^{F1}For use as a UV-filter, see Annex VI, No 30 and No 30a.]

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								As \leq 3 ppm, total Pb \leq 10 ppm, total Hg \leq 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: — Purity > 97 %, with the following impurity profile: Ash content \leq 0,15 %, total sulphur \leq 0,65 %, total

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

b [F1For use as a UV-filter, see Annex VI, No 30 and No 30a.]

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								PAH \leq 500 ppb and benzo(a)pyrene \leq 5 ppb, dibenz(a,h)anthracene \leq 5 ppb, total As \leq 3 ppm, total Pb \leq 10 ppm, and total Hg \leq 1 ppm; Primary particle size \geq 20 nm.
127	Charcoal,77267 bone. A fine black powder obtained by burning animal bones in a closed container. It consists			Black				

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	primarily of calcium phosphate and carbon							
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)	
134	Iron oxide	77489			Orange			
135	Iron Oxide Red	77491		215-168-2	Red		Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
136	Iron Oxide Yellow	77492	51274-00	257-098-5	Yellow		Purity criteria as set out in Commission	

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							Directive 95/45/ EC (E 172)
137	Iron Oxide Black	77499		235-442-5	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		231-131-3	White		Purity criteria as set out in Commission Directive 95/45/ EC (E 174)
143	Titanium dioxide ^a	77891		236-675-5	White		Purity criteria as set out in Commission Directive 95/45/ EC (E 171)
[^{F3} 144	Zinc oxide ^b	77947	1314-13-2	215-222-5	White		Not to be used in]

^a For use as a UV-Filter, see Annex VI, No. 27.^b [^{F1}For use as a UV-filter, see Annex VI, No 30 and No 30a.]

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							applications that may lead to exposure of the end-user's lungs by inhalation.
145	Riboflavin	lactoflavin	201-507-2	2014-088-6			Purity criteria as set out in Commission Directive 95/45/EC (E 101)
146	Caramel	Caramel	232-435-9	Brown			Purity criteria as set out in Commission Directive 95/45/EC (E 150a-d)
147	Paprika extract, Capsanthin, capsorubin	Capsanthin, capsorubin	207-364-0	2017-425-2			Purity criteria as set out in Commission Directive 95/45/EC (E 160c)
148	Beetroot red	Beetroot Red	7659-95-2	231-628-1	Red		Purity criteria as set out in Commission Directive 95/45/EC (E 162)

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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	7047-84-9 557-05-1 557-04-0 216-472-8	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	76160-8	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			

a For use as a UV-Filter, see Annex VI, No. 27.**b** [^{F1}For use as a UV-filter, see Annex VI, No 30 and No 30a.]

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Textual Amendments

- F1** Inserted by [Commission Regulation \(EU\) 2017/1413 of 3 August 2017 amending Annex IV to Regulation \(EC\) No 1223/2009 of the European Parliament and of the Council on cosmetic products \(Text with EEA relevance\)](#).
- F2** 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 \(Text with EEA relevance\)](#).
- F3** Substituted by [Commission Regulation \(EU\) 2017/1413 of 3 August 2017 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:

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