



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

Individual Dyes

100 µg/mL in MeOH

Compound	Synonym	CAS No.	Neat Cat. No.	100 mg	Solution Cat. No.	1 mL
2-Amino-3-nitrophenol New		603-85-0	DYE-107N		DYE-107S	
2-Amino-4-chlorophenol New		95-85-2	-----	---	DYE-034S	
2-Amino-5-(diethylamino)toluene monohydrochloride New		2051-79-8	DYE-104N		DYE-104S	
2-Aminophenol New		95-55-6	DYE-108N		DYE-108S	
4-Hydroxyindole			-----	---	DYE-035S	
Acid Red 26	<i>Ponceau Xylidine</i>	3761-53-3	DYE-031N		DYE-031S	
<i>Basic Blue</i>	see <i>Victoria Blue</i>					
Basic Blue 7 New		2390-60-5	DYE-113N		DYE-113S	
Basic Fuchsin New		548-62-9	DYE-049N		DYE-049S	
Basic Red 2 New		477-73-6	DYE-114N		DYE-114S	
Basic Red 9		569-61-9	DYE-030N		DYE-030S	
Basic Violet 1		8004-87-3	DYE-027N		DYE-027S	
Basic Violet 3	see <i>Crystal Violet</i>					
Basic Violet 14		632-99-5	-----	---	DYE-012S	
<i>Congo Red</i>	see <i>Direct Red 28</i>					
Crocein Scarlet 3b New		5413-75-2	DYE-115N		DYE-115S	
Crystal Violet	<i>Basic Violet 3</i>	548-62-9	DYE-028N		DYE-028S	
D & C Red 7		569-61-9	DYE-060N		DYE-060S	
3,4-Diaminobenzoic acid		619-05-6	-----	---	DYE-038S	
2,4-Diaminodiphenylamine New		136-17-4	DYE-102N		DYE-102S	
2,6-Diaminopyridine New		141-86-6	DYE-103N		DYE-103S	
3-Diethylaminophenol			-----	---	DYE-036S	
1,7-Dihydroxynaphthalene		575-38-2	-----	---	DYE-037S	
N,N-Dimethyl-1,4-phenylenediamine New		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-064N		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		12222-75-2	-----	---	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 3		2832-40-8	DYE-003N		DYE-003S	
Disperse Yellow 9		6373-73-5	-----	---	DYE-008S	
Eriochrome Black A New		3618-58-4	DYE-109N		DYE-109S	
FD & C Blue 1 New		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		DYE-056S	
FD & C Yellow 5		1934-21-0	DYE-058N		DYE-058S	
FD & C Yellow 6		2783-94-0	DYE-059N		DYE-059S	
Food Yellow 3	<i>Sunset Yellow FCF</i>	2783-94-0	DYE-024N		DYE-024S	
Methyl Violet 2B	<i>Methyl Violet 2B indicator grade</i>	8004-87-3	DYE-040N		DYE-040S	
2,3-Naphthalenediol New		92-44-4	-----	---	DYE-033S	
2-Nitro-1,4-phenylenediamine New		5307-14-2	DYE-110N		DYE-110S	
Para Red		6410-10-2	DYE-026N		DYE-026S	
4-Phenylazoaniline hydrochloride		3457-98-5	DYE-046N		DYE-046S	
Ponceau SX New		4548-53-2	-----	---	DYE-112S	
<i>Ponceau Xylidine</i>	see <i>Acid Red 26</i>					
Solvent Orange 7	<i>Sudan II</i>	3118-97-6	DYE-021N		DYE-021S	
<i>Solvent Orange R</i>	see <i>Solvent Yellow 14</i>					
Solvent Red 1		1229-55-6	-----	---	DYE-039S	
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		3457-98-5	-----	---	DYE-029S	
Solvent Yellow 3		97-56-3	-----	---	DYE-032S	
Solvent Yellow 14	<i>Sudan I, Solvent Orange R</i>	842-07-9	DYE-020N		DYE-020S	
<i>Sudan I</i>	see <i>Solvent Yellow 14</i>					
<i>Sudan II</i>	see <i>Solvent Orange 7</i>					
<i>Sudan III</i>	see <i>Solvent Red 23</i>					
<i>Sudan IV</i>	see <i>Solvent Red 24</i>					
<i>Sudan Red 7B</i>	see <i>Solvent Red 19</i>					
<i>Sudan Red G</i>	see <i>Solvent Red 1</i>					
<i>Sunset Yellow FCF</i>	see <i>Food Yellow 3</i>					
Victoria Blue New	<i>Basic Blue 26</i>	2580-56-5	DYE-111N		DYE-111S	



Dyes



Dye Standards

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

Individual Aryl Amine Standards

Analyte	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
o-Aminoazotoluene (01)	RAC-01	RAC-01-10X	RAC-01-EA-0.1X-10ML
4-Aminobiphenyl (02)	RAC-02	RAC-02-10X	RAC-02-EA-0.1X-10ML
2-Amino-4-nitrotoluene (03)	RAC-03	RAC-03-10X	RAC-03-EA-0.1X-10ML
Benzidine (04)	RAC-04	RAC-04-10X	RAC-04-EA-0.1X-10ML
4-Chloroaniline (05)	RAC-05	RAC-05-10X	RAC-05-EA-0.1X-10ML
4-Chloro-o-toluidine (06)	RAC-06	RAC-06-10X	RAC-06-EA-0.1X-10ML
p-Cresidine (07)	RAC-07	RAC-07-10X	RAC-07-EA-0.1X-10ML
2,4-Diaminoanisole * (08)	RAC-08	RAC-08-10X	RAC-08-EA-0.1X-10ML
4,4'-Diaminodiphenylmethane (09)	RAC-09	RAC-09-10X	RAC-09-EA-0.1X-10ML
2,4-Diaminotoluene (10)	RAC-10	RAC-10-10X	RAC-10-EA-0.1X-10ML
3,3'-Dichlorobenzidine (11)	RAC-11	RAC-11-10X	RAC-11-EA-0.1X-10ML
3,3'-Dimethoxybenzidine (12)	RAC-12	RAC-12-10X	RAC-12-EA-0.1X-10ML
3,3'-Dimethylbenzidine (13)	RAC-13	RAC-13-10X	RAC-13-EA-0.1X-10ML
3,3'-Dimethyl-4,4'-diaminodiphenylmethane (14)	RAC-14	RAC-14-10X	RAC-14-EA-0.1X-10ML
4,4'-Methylenebis(2-chloroaniline) (15)	RAC-15	RAC-15-10X	RAC-15-EA-0.1X-10ML
2-Naphthylamine (16)	RAC-16	RAC-16-10X	RAC-16-EA-0.1X-10ML
4,4'-Oxydianiline (17)	RAC-17	RAC-17-10X	RAC-17-EA-0.1X-10ML
4,4'-Thiodianiline (18)	RAC-18	RAC-18-10X	RAC-18-EA-0.1X-10ML
o-Toluidine (19)	RAC-19	RAC-19-10X	RAC-19-EA-0.1X-10ML
2,4,5-Trimethylaniline (20)	RAC-20	RAC-20-10X	RAC-20-EA-0.1X-10ML
p-Aminoazobenzene (21)	RAC-21	RAC-21-10X	RAC-21-EA-0.1X-10ML
2-Aminobiphenyl (22)	RAC-22	RAC-22-10X	RAC-22-EA-0.1X-10ML
o-Anisidine (23)	RAC-23	RAC-23-10X	RAC-23-EA-0.1X-10ML
3-Chloro-o-toluidine (24)	RAC-24	RAC-24-10X	RAC-24-EA-0.1X-10ML

RAC-R1-SET 24 x 1 mL (Set includes the above ampules) In Acetonitrile
100 µg/mL * In form of the Sulfate hydrate 171 µg/mL in Pyridine (100 µg/mL as the base)

RAC-R1-10X-SET 24 x 1 mL (Set includes the above ampules) In Acetonitrile
1000 µg/mL in AcCN * In form of the Sulfate hydrate 1,710 µg/mL in Pyridine (1000 µg/mL as the base)

EU Directive 67/548/EEC Dyes

Criterion #22 Regulated Dyes

Carcinogenic

Each in 100 µg/mL in MeOH

Compound	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

Each in 100 µg/mL in MeOH

Compound	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	

Carcinogenic Aryl Amine Mix

AE-00049-R1 1 x 1 mL
10 µg/mL in Ethyl acetate 23 comps.
AE-00049-SET 2 x 1 mL
Contains **AE-00049-R1** (23 comps. Mix) plus
RAC-08 (2,4-Diaminoanisole) listed on the left
AE-00049-R1-10ML 1 x 10 mL
10 µg/mL in Ethyl acetate 23 comps.

- o-Aminoazotoluene (01)
- 4-Aminobiphenyl (02)
- 2-Amino-4-nitrotoluene (03)
- Benzidine (04)
- 4-Chloroaniline (05)
- 4-Chloro-o-toluidine (06)
- p-Cresidine (07)
- 4,4'-Diaminodiphenylmethane (09)
- 2,4-Diaminotoluene (10)
- 3,3'-Dichlorobenzidine (11)
- 3,3'-Dimethoxybenzidine (12)
- 3,3'-Dimethylbenzidine (13)
- 3,3'-Dimethyl-4,4'-diaminodiphenylmethane (14)
- 4,4'-Methylenebis(2-chloroaniline) (15)
- 2-Naphthylamine (16)
- 4,4'-Oxydianiline (17)
- 4,4'-Thiodianiline (18)
- o-Toluidine (19)
- 2,4,5-Trimethylaniline (20)
- p-Aminoazobenzene (21)
- 2-Aminobiphenyl (22)
- o-Anisidine (23)
- 3-Chloro-o-toluidine (24)

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

EU Directive 76/768/EEC Dyes

Substances contained in Hair Dyes Ban

Compound	CAS No.	Neat Cat. No.	100 mg	Each in 100 µg/mL in MeOH Solution Cat. No.	1 mL
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		DYE-102S	
2,6-Diaminopyridine	141-86-6	DYE-103N		DYE-103S	
N,N-Diethyl-1,4-phenylenediamine Sulfate	6283-63-2	DYE-105N		DYE-105S	
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-112N		DYE-112S	
Victoria Blue	2580-56-5	DYE-111N		DYE-111S	

