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ISO 9001:2000
Certificate Number: C2005-01060

ISO 17025
CERTIFIED

World Class Quality System

MSDSs & COAs shipped with products

EPA Method 521 & 527

Method 521
Nitrosamines by SPE & Capillary Column GC

Analyte Stock Solution

M-521 — **1 x 1 mL**
200 µg/mL each in CH_2Cl_2 — 7 comps.

N-Nitrosodimethylamine
N-Nitrosomethylethylamine
N-Nitrosodiethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodi-n-butylamine
N-Nitrosopyrrolidine
N-Nitrosopiperidine

Internal Standard Stock Solution

M-521-IS — **1 x 1 mL**
M-521-IS-PAK — **5 x 1 mL**
1.0 mg/mL in CH_2Cl_2

N-Nitrosodi-n-propylamine-d_{14}

Surrogate Standard Stock Solution

M-521-SS — **1 x 1 mL**
M-521-SS-PAK — **5 x 1 mL**
1.0 mg/mL in CH_2Cl_2

N-Nitrosodimethylamine-d_6

Method 527
Pesticides & Flame Retardants in Drinking Water by SPE & Capillary GC/MS

EPA Method 527 refers to catalog numbers S-10617A-R1, S-10617B-R1 and S-10617C-R1. These are the same as catalog numbers M-527-PEST-A, M-527-PEST-B and M-527-BDE, which is 1/5 the concentration of S-10617C-R1.

Pesticide Standard A

M-527-PEST-A (same as **S-10617A-R1**) — **1 x 1 mL**
500 µg/mL each in MeOH — 11 comps.

Atrazine
Bioallethrin, S-cyclopentyl isomer
Bromacil
Esfenvalerate
Fenvalerate
Hexazinone
Kepone
Norflurazon
Oxychlordane isomer
Prometryne
Propazine

Pesticide Standard B

M-527-PEST-B (same as **S-10617B-R1**) — **1 x 1 mL**
500 µg/mL each in MeOH — 12 comps.

Bifenthrin
Dimethoate
Dursban
Fenamiphos
Malathion
Mirex
Nitrofen
Parathion
Terbufos sulfone
Thiazopyr
Thiobencarb
Vinclozolin

Internal Standard

M-525.2-IS — **1 x 1 mL**
0.5 mg/mL each in Acetone — 3 comps.

Acenapthene-d_{10}
Chrysene-d_{12}
Phenanthrene-d_{10}

Surrogate Standard

M-525.2-SS — **1 x 1 mL**
0.5 mg/mL each in Acetone — 3 comps.

1,3-Dimethyl-2-nitrobenzene
Perylene-d_{12}
Triphenylphosphate

PBDE Standard

M-527-BDE (same as **S-10617C-R1** at 1/5 conc.) — **1 x 1 mL**
50 µg/mL each in Isooctane:Ethyl Acetate (8:2) — 5 comps.

2,2',4,4'-Tetrabromodiphenyl ether
2,2',4,4',6-Pentabromodiphenyl ether
2,2',4,4',5-Pentabromodiphenyl ether
2,2',4,4',5,5'-Hexabromodiphenyl ether
2,2',4,4',5,5'-Hexabromobiphenyl

Agilent System for LC/MS/MS (Quadrupole and Ion Trap) Enhances AccuStandard's QC Analytical Capabilities

An Agilent 1200 Series LC/MSD Trap has been added to AccuStandard's extensive analytical capabilities for certifying Chemical Reference Standards. LC/MSD Trap analyzers are particularly useful for characterizing and measuring thermally labile compounds including organophosphorus pesticides and their metabolites. The LC/MSD Traps offers outstanding combinations of scan speed, mass resolution, mass range, and sensitivity. With the addition of the Agilent LC/MSD Trap, to the GC, GC/MS, HPLC, ICP, and Low Sulfur Analyzer instrumentation, AccuStandard continues to expand its analytical capability.

Moreover, the LC/MSD Trap's unique SmartFrag collision-energy ramping ensures that every precursor ion receives exactly the energy it needs for optimum fragmentation. The result is greater product ion generation and more structural information from fewer stages of MS.

Practical Application

LC/MS Spectra available for **over 500 Pesticide Reference Standards**

LC/MS is rapidly becoming the analytical technique of choice for pesticide analysis. Despite this there is little data available for the analyst to uniquely identify the individual mass spectrum for these compounds. In order to provide this important information to our customers, AccuStandard has worked with Agilent and LCMS Limited to be the first Certified Reference Standard Manufacturer to offer this information.

Technical Details:

- Pesticides were provided by AccuStandard.
- Analysis was performed by LCMS Ltd. on an Agilent 1200 Series LC/MS.
- Data was obtained in cooperation with Agilent.

EPA Method 529, 1613 & Gun Surveillance

Method 529
Explosive & Related Compounds by SPE & Capillary Column GC/MS

Method 529 Calibration Curve

All in Ethyl acetate Storage Cond.: Freeze (<-10°C)

M-529-	01	02	03	04	05	06	07	08	09
2-Amino-4,6-dinitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
4-Amino-2,6-dinitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
3,5-Dinitroaniline	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
1,3-Dinitrobenzene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
2,4-Dinitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
2,6-Dinitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
RDX	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
Nitrobenzene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
2-Nitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
3-Nitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
4-Nitrotoluene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
1,3,5-Trinitrobenzene	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
Tetryl	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10
TNT	0.025	0.05	0.10	0.25	0.50	1.0	2.0	5.0	10

Full Scan MS Calibration Set

M-529-MS-SET **6 x 1 mL**
M-529-03, M-529-05, M-529-06, M-529-07, M-529-08, M-529-09

SIM Calibration Set

M-529-SIM-SET **7 x 1 mL**
M-529-01, M-529-02, M-529-03, M-529-04, M-529-05, M-529-06, M-529-07

Storage Condition.: Freeze (<-10°C)

Internal Standard Stock Solution

M-529-IS **1 x 1 mL**
2.0 mg/mL Ethyl acetate

3,4-Dinitrotoluene

Internal Standard Fortification Solution

M-529-ISFS **1 x 1 mL**
2.0 mg/mL Ethyl acetate 14 comps.

2-Amino-4,6-dinitrotoluene
4-Amino-2,6-dinitrotoluene
3,5-Dinitroaniline
1,3-Dinitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
RDX
Nitrobenzene
2-Nitrotoluene
3-Nitrotoluene
4-Nitrotoluene
1,3,5-Trinitrobenzene
Tetryl
TNT

Surrogate Analyte Stock Solutions

M-529-SS1 **1 x 1 mL**
M-529-SS1-PAK *SAVE 20%* **5 x 1 mL**
100 µg/mL each in MeOH 2 comps.

1,3,5-Trimethyl-2-nitrobenzene
1,2,4-Trimethyl-5-nitrobenzene

M-529-SS2 **1 x 1 mL**
M-529-SS2-PAK *SAVE 20%* **5 x 1 mL**
100 µg/mL each in MeOH

Nitrobenzene-d_5

Surrogate Analyte Fortification Solution

M-529-SAFS **1 x 1 mL**
100 µg/mL each in MeOH 3 comps.

1,3,5-Trimethyl-2-nitrobenzene
1,2,4-Trimethyl-5-nitrobenzene
Nitrobenzene-d_5

Gun Surveillance Standard

Gun Surveillance Standard

EXP-GSS **1 x 1 mL**
At stated conc. in AcCN 9 comps.

	µg/mL		µg/mL
Dimethyl phthalate	200	2,2'-Dinitrodiphenylamine	50
2,4'-Dinitrodiphenylamine	50	4,4'-Dinitrodiphenylamine	50
2,4-Dinitrodiphenylamine	50	Diphenylamine	200
2-Nitrodiphenylamine	50	N-Nitrosodiphenylamine	75
4-Nitrodiphenylamine	50		

Additional Explosive Standards are available, see our International Catalog

Method 1613 (EN-1948, JIS-K0311 & JIS-K0312)
Dioxins & Furans by HRGC/HRMS

Native Solutions of the USEPA Method 1613 analytes. These mixes can also be used for USEPA Method 23, 8280 and 8290. They also cover **EU Method EN-1948 and Japanese Methods JIS-K0311 and JIS-K0312**.

Calibration Set

M-1613-CAL-SET (-01,-02,-03,-04,-05) **5 x 1 mL**
All in ng/mL in Nonane 17 comps.

Precision and Recovery Standard

M-1613-PAR Bold (-04) **1 x 1 mL**
M-1613-PAR-PAK **5 x 1 mL**
All units in ng/mL in Nonane 17 comps.

M-1613-CAL	-01	-02	-03	-04	-05
2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.5	2	10	**40**	200
2,3,7,8-Tetrachlorodibenzofuran	0.5	2	10	**40**	200
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.5	10	50	**200**	1000
1,2,3,7,8-Pentachlorodibenzofuran	2.5	10	50	**200**	1000
2,3,4,7,8-Pentachlorodibenzofuran	2.5	10	50	**200**	1000
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.5	10	50	**200**	1000
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2.5	10	50	**200**	1000
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.5	10	50	**200**	1000
1,2,3,4,7,8-Hexachlorodibenzofuran	2.5	10	50	**200**	1000
1,2,3,6,7,8-Hexachlorodibenzofuran	2.5	10	50	**200**	1000
1,2,3,7,8,9-Hexachlorodibenzofuran	2.5	10	50	**200**	1000
2,3,4,6,7,8-Hexachlorodibenzofuran	2.5	10	50	**200**	1000
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.5	10	50	**200**	1000
1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.5	10	50	**200**	1000
1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.5	10	50	**200**	1000
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	5	20	100	**400**	2000
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	5	20	100	**400**	2000

2,3,7,8 Isomers only Mix

This solution is for those labs only determining the concentration of the two most toxic isomers.

M-1613-DF **1 x 1 mL**
40 ng/mL each in Nonane 2 comps.

2,3,7,8-Tetrachlorodibenzo-p-dioxin
2,3,7,8-Tetrachlorodibenzofuran

EPA Method 1626, ISO/DIN 22032 & PBDE Congeners

Method 1626
p-tert-Octylphenol, Nonylphenol Monoethoxylate & Nonophenol Diethoxylateand Tech Nonylphenol, Mono- & Di-ethoxylate

Nonylphenol ethoxylates and alkylphenol ethoxylates have been produced in large quantities in the U.S and around the world. They are used in many different applications: oil-soluble detergents, emulsifiers, wetting agents, lubricants, and antistatic agents. Breakdown products have been shown to be possible endocrine disruptors. In January of 2004, the US EPA proposed ambient water quality criteria for nonylphenol. The EPA is working with ASTM to develop and validate a method for nonylphenol and alkylphenol ethoxylates.

Nonylphenol Calibration Standard Solution

M-1626 — **1 x 1 mL**
At stated conc. in CH_2Cl_2 — 7 comps.

Nonylphenol	(160 µg/mL)	Bisphenol A	(32 µg/mL)
Nonylphenol monoethoxylate	(320 µg/mL)	4-nonylphenol	(32 µg/mL)
Nonylphenol diethoxylate	(640 µg/mL)	4-nonylphenol monoethoxylate	(32 µg/mL)
4-tert-Octylphenol	(32 µg/mL)		

Nonylphenol Internal Standard

M-1626-IS — **1 x 1 mL**
2000 µg/mL each in CH_2Cl_2 — 2 comps.

Acenaphthene-d_{10} Phenanthrene-d_{10}

Nonylphenol Target Component Spike Standard

M-1626-S — **1 x 1 mL**
At stated conc. in MeOH — 5 comps.

Nonylphenol	(160 µg/mL)	4-tert-Octylphenol	(32 µg/mL)
Nonylphenol monoethoxylate	(320 µg/mL)	Bisphenol A	(32 µg/mL)
Nonylphenol diethoxylate	(640 µg/mL)		

Nonylphenol Surrogate Component Spike Standard

M-1626-SS — **1 x 1 mL**
32 µg/mL each in MeOH — 2 comps.

4-Nonylphenol 4-Nonylphenol monoethoxylate

ISO/DIS 22032

DRAFT INTERNATIONAL STANDARD
ISO/DIS 22032 Calibration Curve Set

ISO/DIS-22032-SET — **7 x 1 mL**
At stated conc. (ng/mL) in Isooctane — 8 comps. each

(BZ#) ISO/DIS-22032	01	02	03	04	05	06	07
2,2',4,4'-Tetrabromodiphenyl ether (#47)	5	12.5	25	50	100	150	250
2,2',4,4',5-Pentabromodiphenyl ether (#99)	5	12.5	25	50	100	150	250
2,2',4,4',6-Pentabromodiphenyl ether (#100)	5	12.5	25	50	100	150	250
2,2',4,4',5,5'-Hexabromodiphenyl ether (#153)	5	12.5	25	50	100	150	250
2,2',4,4',5,6'-Hexabromodiphenyl ether (#154)	5	12.5	25	50	100	150	250
2,2',3,4,4',5',6-Heptabromodiphenyl ether (#183)	5	12.5	25	50	100	150	250
2,3,3',4,4',5,5',6-Octabromodiphenyl ether (#205)	5	12.5	25	50	100	150	250
2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether (#209)	25	50	100	200	500	700	1000

Internal Standard for BDE-47, 99 & 100

ISO22032-IS-1-5ML — **1 x 5 mL**
ISO22032-IS-1-10ML — **1 x 10 mL**
100 ng/mL each in Isooctane

2,2',4,4'-Tetrabromodiphenyl ether

Internal Standard for BDE-153, 154 & 183

ISO22032-IS-2-5ML — **1 x 5 mL**
ISO22032-IS-2-10ML — **1 x 10 mL**
100 ng/mL each in Isooctane

2,2',3,4,4',5,6-Heptabromodiphenyl ether

For more new PBDE Standards, see our Flame Retardants Product Catalog

For more new PBDE Standards, see our Flame Retardants Product Catalog

Methoxy PCBs, EFSA (ITX), EU 67/548/EEC (Dyes) & Biodiesels

Methoxy PCBs

Methoxy PCBs

Each at 100 µg/mL in Isooctane	1 mL
2-Methoxy-5-chlorobiphenyl	MOPCB-1001S
4-Methoxy-2-chlorobiphenyl	MOPCB-1002S
4-Methoxy-3-chlorobiphenyl	MOPCB-1003S
4-Methoxy-4'-chlorobiphenyl	MOPCB-1004S
3-Methoxy-2',5'-dichlorobiphenyl	MOPCB-2002S
4-Methoxy-2',5'-dichlorobiphenyl	MOPCB-2003S
4-Methoxy-3,5-dichlorobiphenyl	MOPCB-2004S
2-Methoxy-2',3'-dichlorobiphenyl	MOPCB-2005S
2-Methoxy-2',3'-dichlorobiphenyl	MOPCB-2006S
2-Methoxy-2',4',6'-trichlorobiphenyl	MOPCB-3001S
2-Methoxy-2',5,5'-trichlorobiphenyl	MOPCB-3002S
3-Methoxy-2',4',6'-trichlorobiphenyl	MOPCB-3003S
4-Methoxy-2,2',5'-trichlorobiphenyl	MOPCB-3004S
4-Methoxy-2',3,5'-trichlorobiphenyl	MOPCB-3005S
4-Methoxy-2',4',6'-trichlorobiphenyl	MOPCB-3006S
2-Methoxy-2',3',4',5'-tetrachlorobiphenyl	MOPCB-4001S
2-Methoxy-2',3',5',6'-tetrachlorobiphenyl	MOPCB-4002S
2-Methoxy-2',4',5,6'-tetrachlorobiphenyl	MOPCB-4003S
3-Methoxy-2',3',4',5'-tetrachlorobiphenyl	MOPCB-4004S
3-Methoxy-2',3',5',6'-tetrachlorobiphenyl	MOPCB-4005S
4-Methoxy-2',3',4',5'-tetrachlorobiphenyl	MOPCB-4007S
4-Methoxy-2',3,4',6'-tetrachlorobiphenyl	MOPCB-4008S
4-Methoxy-2',3,5,5'-tetrachlorobiphenyl	MOPCB-4009S
2-Methoxy-2',3',4',5,5'-pentachlorobiphenyl	MOPCB-5001S
2-Methoxy-2',3',5,5',6'-pentachlorobiphenyl	MOPCB-5002S
4-Methoxy-2,2',3',4',5'-pentachlorobiphenyl	MOPCB-5003S
4-Methoxy-2,2',3',5',6'-pentachlorobiphenyl	MOPCB-5004S
4-Methoxy-2,2',4',5,5'-pentachlorobiphenyl	MOPCB-5009S
2-Methoxy-2',3,4',5',6-pentachlorobiphenyl	MOPCB-5010S
4-Methoxy-2',3,3',4',5,5'-hexachlorobiphenyl	MOPCB-6001S

New PCB Metabolites (over 35 total)

Each at 100 µg/mL in Isooctane	1 mL
3-OH-2,2',4',5,5'-Pentachlorobiphenyl	HPCB-5008S
4-OH-2,2',4',5,5'-Pentachlorobiphenyl	HPCB-5009S

BioDiesel Standards

	Conc.	Solvent	Cat. No. (1 mL)
Biodiesel 20 *NEW*	0.5 mg/mL	CH_2Cl_2	FU-030-D
	20 mg/mL	CH_2Cl_2	FU-030-D-40X
Biodiesel 100 *NEW*	0.5 mg/mL	CH_2Cl_2	FU-029-D
(commercial grade)	20 mg/mL	CH_2Cl_2	FU-029-D-40X

Motor Fuels & Lubricating Oils Set

TPH-001-R1-SET — **13 x 1 mL**

	mg/mL	Solvent	Cat. No.
Regular unleaded	20	MeOH	GA-001-40X
Regular leaded	20	MeOH	GA-002-40X
Premium	20	MeOH	GA-003-40X
RFA Gasoline (oxygenate free)	20	MeOH	GA-005-40X
#2 Diesel (conventional)	20	CH_2Cl_2	FU-009-D-40X
#1 Diesel (low sulfur)	20	CH_2Cl_2	FU-013-D-40X
#2 Diesel (extra low sulfur)	20	CH_2Cl_2	FU-017-D-40X
Arctic Diesel	20	CH_2Cl_2	FU-023-D-40X
SAE 30 W motor oil	20	CH_2Cl_2	FU-018-D-40X
SAE 40 W motor oil	20	CH_2Cl_2	FU-019-D-40X
SAE 50 W motor oil	20	CH_2Cl_2	FU-021-D-40X
Biodiesel 20 *NEW*	20	CH_2Cl_2	FU-030-D-40X
Biodiesel 100 *NEW*	20	CH_2Cl_2	FU-029-D-40X

Additional Fuel & Hydrocarbon Standards are available, see our International Catalog

European Food Safety Authority (EFSA) for Isopropylthioxanthone (ITX)

Responding to the new hazard found in Italy, France, Spain, and Portugal, AccuStandard has formulated standards for Isopropylthioxanth-9-one (a photographical chemical) found in baby milk in Italy. This latest reference standard is available now as the main component: the 2-isomer as well as the technical mixture which also contains the 4-isomer.

2-Isopropylthioxanthone (ITX)

EFSA-ITX-01 — **1 x 1 mL**

1.0 mg/mL in Isooctane

2-Isopropylthioxanth-9-one

Isopropylthioxanthone (ITX) mixed isomers

EFSA-ITX-02 — **1 x 1 mL**

1.0 mg/mL in Isooctane

2- & 4-Isopropylthioxanth-9-one

EU Directive 67/548/EEC Dyes

Dye Standards

Criterion #22 Regulated Dyes - Carcinogenic Each in 100 µg/mL in MeOH	Cat. No.	Unit
Disperse Blue 1	DYE-001S	1 mL
Disperse Orange 11	DYE-002S	1 mL
Disperse Yellow 3	DYE-003S	1 mL
Basic Violet 14	DYE-012S	1 mL
Direct Black 38	DYE-013S	1 mL
Direct Blue 6	DYE-014S	1 mL

Criterion #23 Regulated Dye - Disperse dyes, Sensitizing Each in 100 µg/mL in MeOH	Cat. No.	Unit
Disperse Blue 3	DYE-004S	1 mL
Disperse Orange 1	DYE-005S	1 mL
Disperse Orange 3	DYE-006S	1 mL
Disperse Red 1	DYE-007S	1 mL
Disperse Yellow 9	DYE-008S	1 mL
Disperse Blue 35	DYE-009S	1 mL
Disperse Blue 124	DYE-010S	1 mL
Disperse Orange 37	DYE-011S	1 mL
Disperse Blue 7	DYE-015S	1 mL
Disperse Blue 26	DYE-016S	1 mL
Disperse Blue 102	DYE-017S	1 mL
Disperse Red 11	DYE-018S	1 mL
Disperse Red 17	DYE-019S	1 mL

Not Lot™ Program

AccuStandard has developed the NotLot Program for customers to meet regulatory, auditor and laboratory requirements for the use of independent lots without having to place two different orders with two different companies. NotLots are the simplest way to verify the accuracy of your analysis without the added paperwork required when using lots from two different manufacturers.

NotLots are the same formulation of materials as the first lot, and are made independently.

This program is available on selected catalog items. Ask your Customer Service Representative for the catalog number and a NotLot.

NotLots will be provided at the regular list price for the more common products, and for the same price but with a minimum quantity of 5 for the less common and Custom (S-) products. NotLots may not be available for resale items, kits, Paks, or Inorganic Standards.

Eco-Labeling (Oeko-Tex Standard 1000)

Eco-Labeling (Oeko-Tex Standard 1000)

Textile manufacturers conforming to the Oeko-Tex Standard 1000 are granted the “Eco Friendly" label. Textiles receiving the ”Eco Friendly” label will not pose any environmental threat when disposed as a household waste. Our Chemical Reference Standards are available to assist companies and their laboratories meet these analytical requirements. Included in this line of Standards are Pesticides, Dyes, Flame Retardants and Allergens.

Extractable Heavy Metals
Pesticides
Chlorinated Phenols
PVC Plasticizers (Phthalates)
Formaldehyde
Arylamines MAK III, Category 1
Arylamines MAK III, Category 2
Dyes Classified as Carcinogens
Dyes Classified as Allergens
Chlorinated Benzenes and Toluenes
Flame Retardants
Volatile Emissions
Organic Tin Compounds
Other Chemical Residues

Extractable Heavy Metals (100 mL at 1000 µg/mL)

Sb (Antimony) (in Water)	ICP-02W-1	Co (Cobalt) (in Nitric acid)	ICP-14N-1
As (Arsenic) (in Nitric acid)	ICP-03N-1	Cu (Copper) (in Nitric acid)	ICP-15N-1
Pb (Lead) (in Nitric acid)	ICP-29N-1	Ni (Nickel) (in Nitric acid)	ICP-37N-1
Cd (Cadmium) (in Nitric acid)	ICP-08N-1	Hg (Mercury) (in Nitric acid)	ICP-34N-1
Cr (Chromium) (in Nitric acid)	ICP-13N-1		

Chlorinated Phenols (1 mL at 100 µg/mL in MeOH)

Pentachlorophenol	APP-9-176	2,3,4,6-Tetrachlorophenol	APP-9-195

PVC Plasticizers (Phthalates)

(1 mL at 100 µg/mL in MeOH)

BBP (Benzylbutyl phthalate)	APP-9-034	DBP (Dibutyl phthalate)	APP-9-063
DINP (Diisononyl phthalate)	ALR-102S	DNOP (Di-n-oxtyl phthalate)	APP-9-095
DEHP (Di-2-ethylhexyl phthalate)	APP-9-029	DIDP (Diisodecyl phthalate)	ALR-101S

Formaldehyde (1 mL at 1000 µg/mL in Water)

Formaldehyde	M-554-06

Flame Retardants (1 mL at 50 µg/mL in Isoocatane)

Polybrominated biphenyl	B-600S (100 µg/mL)
Tri-(2,3-dibromopropyl)-phosphate	*
Tris-(aziridinyl)-phosphineoxide	*
Pentabromodiphenyl ether	BDE-088S
Octabromodiphenyl ether	BDE-798

Volatile Emissions (1 mL at 100 µg/mL in MeOH)

Formaldehyde	M-554-06	4-Phenylcyclohexane	*
Toluene	M-502-46	Butadiene	S-406A
Styrene	M-502-42	Vinyl chloride	M-502-56
Vinylcyclohexene	*		

Pesticides (1 mL at 100 µg/mL in MeOH)

Aldrin	P-002S	Endosulfan - Mixed Isomers	P-435S
Azinphos-ethyl	P-201S	Endosulfan II	P-092S
Azinphos-methyl	P-007S	Endrin	P-045S
Bromophos-ethyl	P-372S	Esfenvalerate	P-525S
Captafol	P-254S	Fenvalerate	P-194S
Carbaryl	P-083S	Heptachlor	P-053S
Chlordane	P-017S	Heptachlor epoxide	P-054S
Chlordimeform	P-333S	Hexachlorobenzene	APP-9-112
Chlorfenvinphos	P-139S	Hexachlorocyclohexane, a-BHC, a-HCH	P-010S
Coumaphos	P-019S	Hexachlorocyclohexane, b-BHC, b-HCH	P-011S
Cyfluthrin	P-354S	Hexachlorocyclohexane, g-BHC, g-HCH	P-012S
Cyhalothrin	P-473S	Mecoprop	P-154S
Cypermethrin	P-225S	Methamidophos	P-155S
2,4-D	P-020S	Methoxychlor	P-064S
DEF	P-150S	Mirex	P-066S
Deltamethrin	P-335S	Monocrotophos	P-112S
o,p’-DDD	P-024S	Parathion, Parathion-ethyl	P-070S
o,p’-DDE	P-026S	Parathion-methyl	P-065S
o,p’-DDT	P-028S	Phosdrin, Mevinphos	P-074S
p,p’-DDD	P-025S	Propetamphos	P-417S
p,p’-DDE	P-027S	Profenophos	P-260S
p,p’-DDT	P-029S	Quinalphos	P-462S
Diazinon	P-033S	2,4,5-T	P-168S
Dichlorprop	P-143S	Toxaphene, Camphechlor	P-093S
Dicrotophos	P-178S	Trifluralin	P-197S
Dieldrin	P-037S		
Dimethoate	P-039S		
Dinoseb	P-144S		

Arylamines MAK III, Category 1 (1 mL at 100 µg/mL in AcCN, unless noted)

4-Aminodiphenyl (in MeOH)	APP-9-011	2-Naphthylamine	RAC-16
Benzidine	RAC-04	4-Chloro-o-toluidine	RAC-06

Arylamines MAK III, Category 2 (1 mL at 100 µg/mL in AcCN, unless noted)

4-Aminoazobenzene	RAC-21	3,3’-Dimethoxybenzidine	RAC-12
o-Aminoazotoluene	RAC-01	3,3’-Dimethylbenzidine	RAC-13
2-Amino-4-nitrotoluene	RAC-03	2,6-Dimethylaniline	L-018S-CN
o-Anisidine	RAC-23	3,3’-Dimethyl-4,4’-diaminobiphenylmethane	RAC-14
p-Chloraniline	RAC-05	4,4’-Methylene-bis-(2-chloroaniline)	RAC-15
p-Cresidine	RAC-07	4,4’-Oxydianiline	RAC-17
2,4-Diaminoanisol (in MeOH) (4-methoxy-m-phenylenediamine)	ALR-070S	4,4’-Thiodianiline	RAC-18
4,4’-Diaminobiphenylmethane	RAC-09	o-Toluidine (MeOH)	APP-9-199
2,4-Diaminotoluene	RAC-10		
3,3’-Dichlorobenzidine (MeOH)	APP-9-067		

*** Contact your Local Distributor**

Eco-Labeling & RoHS/WEEE Regulations (2002/95/EC)

Eco-Labeling (Oeko-Tex Standard 1000) (Continued)

Chlorinated Benzenes & Toluenes (1 mL at 100 µg/mL in MeOH)

Chlorinated Benzenes and Toluenes	
1,2-Dichlorobenzene	APP-9-064
1,3-Dichlorobenzene	APP-9-065
1,4-Dichlorobenzene	APP-9-066
Hexachlorobenzene	APP-9-112
2-Chlorotoluene	M-502-15
3-Chlorotoluene	AS-E0151
4-Chlorotoluene	M-502-16
1,2,3,4-Tetrachlorobenzene	AS-E0225
1,2,3,5-Tetrachlorobenzene	A-009
2,3-Dichlorotoluene	*
2,4-Dichlorotoluene	AS-E0149
2,5-Dichlorotoluene	*
2,6-Dichlorotoluene	*
3,4-Dichlorotoluene	*
aa-Dichlorotoluene	*
2,4,5-Trichlorotoluene	*
1,2,3-Trichlorobenzene	M-502-47
1,2,4-Trichlorobenzene	APP-9-201
Pentachlorobenzene	APP-9-173
1,2,4,5-Tetrachlorobenzene	APP-9-191
1,3,5-Trichlorobenzene	AS-E0176
a,a,a-Trichlorotoluene	M-624-SS-14
2,3,6-Trichlorotoluene	*
a,a,3-Trichlorotoluene	*
a,2,6-Trichlorotoluene	*
a,2,4-Trichlorotoluene	*
a,3,4-Trichlorotoluene	*
a,a,2,6-Tetrachlorotoluene	*
p,a,a,a-Tetrachlorotoluene	*
a,2,3,6-Tetrachlorotoluene	*
2,4,a,a,a-Pentachlorotoluene	*
2,3,4,5,6-Pentachlorotoluene	*
a,a,a,3,4-Pentachlorotoluene	*

*** Contact your Local Distributor**

Dyes Classified as Carcinogens

(1 mL at 100 µg/mL in MeOH)

Acid Red 26	*	Direct Red 28	*
Basic Red 9	*	Disperse Blue 1	DYE-001S
Basic Violet 14	DYE-012S	Disperse Orange 11	DYE-002S
Direct Black 38	DYE-013S	Disperse Yellow 3	DYE-003S
Direct Blue 6	DYE-014S		

Dyes Classified as Allergens (1 mL at 100 µg/mL in MeOH)

Disperse Blue 1	DYE-001S	Disperse Orange 37	DYE-011S
Disperse Blue 3	DYE-004S	Disperse Orange 76	*
Disperse Blue 7	DYE-015S	Disperse Red 1	DYE-007S
Disperse Blue 26	DYE-016S	Disperse Red 11	DYE-018S
Disperse Blue 35	DYE-009S	Disperse Red 17	DYE-019S
Disperse Blue 102	DYE-017S	Disperse Yellow 1	*
Disperse Blue 106	*	Disperse Yellow 3	DYE-003S
Disperse Blue 124	DYE-010S	Disperse Yellow 9	DYE-008S
Disperse Brown 1	*	Disperse Yellow 39	*
Disperse Orange 1	DYE-005S	Disperse Yellow 49	*
Disperse Orange 3	DYE-006S		

Organic Tin Compounds

TBT (Tributyltin) *
DBT (Dibutyltin) *

Other Chemical Residues (1 mL at 100 µg/mL in MeOH)

Orthophenylphenol (OPP) P-460S

RoHS/WEEE Regulations (2002/95/EC)

Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipments Regulations 2004.

Regulated Substance	Cat. No.	Product Description	Concentration
Mercury	ICP-34N-1	Mercury ICP Standard	1000 ppm in HNO3
Lead	ICP-29N-1	Lead ICP Standard	1000 ppm in HNO3
Cadmium	ICP-08N-1	Cadmium ICP Standard	1000 ppm in 2% Nitric acid
Hexavalent Chromium	WC-HEX-10X-1	Hexavalent Chromium (Cr6+) Standard	1000 µg/mL in Water
PBBs	B-049S	2,2',4,5'-Tetrabromobiphenyl	35 µg/mL in Isooctane
see our catalog	B-077S	3,3',4,4'-Tetrabromobiphenyl	35 µg/mL in Isooctane
for the complete	B-103S	2,2',4,5',6-Pentabromobiphenyl	35 µg/mL in Isooctane
listing of PBBs	B-153S	2,2',4,4',5,5'-Hexabromobiphenyl	35 µg/mL in Isooctane
	B-209S	Decabromodiphenyl	35 µg/mL in Isooctane
	B-250S	Dow FR-250 (Octabromobiphenyl)	100 µg/mL in Isooctane
PBDEs	BDE-028S	2,4,4'-Tribromodiphenyl ether	50 µg/mL in Isooctane
see our catalog	BDE-047S	2,2',4,4'-Tetrabromodiphenyl ether	50 µg/mL in Isooctane
for the complete	BDE-099S	2,2',4,4',5-Pentabromodiphenyl ether	50 µg/mL in Isooctane
listing of PBDEs	BDE-100S	2,2',4,4',6-Pentabromodiphenyl ether	50 µg/mL in Isooctane
	BDE-153S	2,2',4,4',5,5'-Hexabromodiphenyl ether	50 µg/mL in Isooctane
	BDE-154S	2,2',4,4',5,6'-Hexabromodiphenyl ether	50 µg/mL in Isooctane
	BDE-183S	2,2',3,4,4',5',6-Heptabromodiphenyl ether	50 µg/mL in Isooctane
	BDE-209S	Decabromodiphenyl ether	50 µg/mL in Isooctane