



**United States
Department of
Agriculture**

**Food Safety
and Inspection
Service**

**Regulatory Programs
Building 306, BARC-East
Beltsville, MD 20705**

February 26, 1991

Mr. Mark Wanthal
ARCOR Inc.
221 Libbey Industrial PKWY
E. Weymouth, MA 02189

Dear Mr. Wanthal:

This is in reply to your request for compound authorization received on January 23, 1991 for your product S-16 Epoxy Protective Coating, Parts A & B.

This product is chemically acceptable as a coating for application to Structural surfaces or surfaces where there is a possibility of incidental food contact in official establishments operating under the Federal meat and poultry products inspection program. This letter does not authorize use of the coating on any surface where there is direct or prolonged contact with food. Before food product may be placed in the area where the material is being used, the area should be sufficiently free of odor to prevent product contamination. As a safety precaution, smooth coatings should not be applied to walking or standing surfaces in processing areas.

The final granting of authorization to use coatings on structural surfaces such as walls or ceilings, or on equipment surfaces below the product zone, is the responsibility of the inspector in charge of the official plant. Before applying the coating to equipment which will subsequently be installed in an official plant, you must obtain clearance from the Equipment Standards and Review Branch, Meat and Poultry Inspection Technical Services in Washington, DC 20250. Technical advice will be provided by the Product Safety Branch upon request.

The above acceptance of this compound will not be indicated in the publication, "List of Proprietary Substances and Nonfood Compounds.,, This letter acts as continuing authorization for its use under the conditions stated above.

Acceptance of compounds by this Department is in no way to be construed as an endorsement of the compounds or of any claims made for them. If any change is made in the labeling information or formulation, the authorization for use in official plants becomes void immediately.

Sincerely,

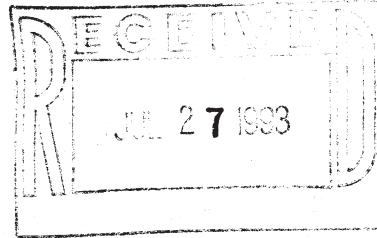
**Charles R. Edwards, Chief
Product Safety Branch
Food Ingredient Assessment Division**



NSF International

July 20, 1993

MR. MARK WANTHAL
ARCOR, INC.
221 LIBBEY INDUSTRIAL PARKWAY
E. WEYMOUTH, MA 02189



Re: Standard 61
Listed Product(s)
Official Listing

Dear Mr. Wanthal:

Enclosed is a copy of your revised official Listing. Please review the enclosed Listing for accuracy, including footnotes, and report any problems as soon as possible. You are authorized to use the appropriate NSF Listing Mark (Mark) with the product(s) included on the enclosed Listing dated May 7, 1993.

It is your responsibility to comply with all requirements of the relevant NSF standards or criteria, the general and program specific policies, and any other written agreements or contracts with NSF for Listing Services. Unless otherwise authorized in writing the Mark is to be placed only on new products (manufactured after the date of authorization) fully complying with requirements.

If you have any questions, please contact your NSF Service Representative.

Sincerely,

A handwritten signature in black ink that reads "Stan Hazan" with a horizontal line extending to the right.

Stan S. Hazan
Manager
Drinking Water Additives

encl.

File

**NSF International (NSF)
OFFICIAL LISTING**

This is a Certification by NSF that these products conform to the requirements of
NSF Standard 61 - Drinking Water System Components - Health Effects

This is your Official Listing as we have it on record at this time.

May 6, 1996

CC: 03

**VICOR INTERNATIONAL
29 CAMELOT DRIVE
PLYMOUTH, MA 02360**

Plant At: BALTIMORE, JW

PROTECTIVE (BARRIER) MATERIALS

Trade Designation	Water Contact Size Restriction	Water Contact Temp	Water Contact Material
<i>Coatings - Tank</i>			
Vicor EE-70 100% Solids Epoxy Protective Coating*	>= 1000 gal.	CLD 23	Epoxy
Vicor ES-71 Epoxy Protective Coating**	>= 1500 gal.	D. Hot	Epoxy

* Colors: FX-408 Zinc Rich Primer: Gray; Vicor EE-70 Gray
Number of Coats: 2-3
Sequence of Coats: One coat of FX-408 Zinc Rich Primer (optional); 1-2 coats of Vicor EE-70
Maximum Field Use Dry Film Thickness (in mils): FX-408: 2; Vicor EE-70: 16
Maximum Thinner: None
Recoat/Cure Time: FX-408: 24 hours; Vicor EE-70: 6 hours / 7 days
Special Comments: Use of FX-408 Zinc Rich Primer is optional

** Colors: FX-408 Gray, Vicor ES-71 White

Number of Coats: 1-3

Sequence of Coats: One coat Primer FX-408 (optional), one to two coats Topcoat Vicor ES-71
Maximum Field Use Dry Film Thickness (in mils): FX-408: 2; Vicor EX-71: 9
Maximum Thinner: None
Recoat/Cure Time: FX-408 24 hours; Vicor ES-71, 8 hours / 7 days

Additions cannot be made to
this listing without Prior Evaluation
and Acceptance by NSF
Issued by Certification Records
22080

**NSF International (NSF)
OFFICIAL LISTING**

This is a Certification by NSF that these products conform to the requirements of
NSF Standard 61 — Drinking Water System Components — Health Effects

This Is your Official Listing as we have it on record at this time.

May 7, 1993

CC: 03

**ARCOR, INC.
22i LXBBEY INDUSTRIAL PARKWAY
E. WEYMOUTH, MA 02189**

Plant At: E. WEYMOUTH, MA

PROTECTIVE (BARRIER) MATERIALS

Trade Designation	Water Contact Size Restriction	Water Contact Temp	Water Contact Material	Monitor Code
Potable Water Tank Coating Arcor S-16-PW*	1000 gal.& greater	C. Hot	Epoxy	A
Potable Water Pipe Coatings Arcor S-16-PW*	16" pipe & greater	C. Hot	Epoxy	A

* Listed colors are White, Blue and Fuchsia. Arcor S-16 PW White is applied as the first layer. Arcor S-16 PW Fuchsia is an optional intermediate coat. Arcor S-16 PW Blue is applied as the final top coat. Maximum of three coats at up to 15 wet mils per coat. Minimum recoat time: 12 hours. Minimum

Additions cannot be made to
this listing without Prior Evaluation
and Acceptance by NSF

03880

NSF International

P.O. Box 1468
 Ann Arbor, Michigan 48106
 Tel: 313-769-8010
 Fax: 313-769-0109

Test # 1

September 23, 1992

Customer 03880
 Arcor, Inc.
 221 Libbey Industrial Parkway
 E. Weymouth, MA 02189
 Attn: Mr. Markl Wanthal

Plant 03880
 Same

Document Control Code: PM00273
 Collection Date: 7-May-1992 00:00:00.00

Description: Arcor, Inc. Arcor S-16

Lab Number: S20605305

Sampled May 7, 1992

Received June 2, 1992

Class Function: PMTL/PNT
 Document Control Code: PM00273
 Evaluation Dose: None
 Listed or Requested: QQ
 Testing Standard: 61

Parameter	Result	Units	Entered
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Results of Testing Follows

Description: Arcor, Inc. Arcor S-16 114, 8, 5 Bisphenol A

Lab Number: S20605306

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information

Amount of surface area exposed	640	640	sq. in	06-12-92
Final volume of solution	8.61	7.92	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Bisphenol A	<100	<100	ug/L	08-06-92

NSF International

P.O. Box 1468
 Ann Arbor, Michigan 48106
 Tel: 313-769-8010
 Fax: 313-769-0109

Test # 2

September 23, 1992

Customer 03880
 Arcor, Inc.
 221 Libbey Industrial Parkway
 E. Weymouth, MA 02189
 Attn: Mr. Markl Wanthal

Plant 03880
 Same

Document Control Code: PM00273
 Collection Date: 7-May-1992 00:00:00.00

Description: Arcor, Inc. Arcor S-16

Lab Number: S20608411

Sampled May 7, 1992

Received June 2, 1992

Class Function: PMTL/PNT
 Document Control Code: PM00273
 Evaluation Dose: None
 Listed or Requested: QQ
 Testing Standard: 61

Parameter	Result	Units	Entered
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Results of Testing Follows

Description: Arcor, Inc. Arcor S-16 115, 8, (16hr.) Bisphenol A

Lab Number: S20608412

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information

Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Bisphenol A	400	<100	ug/L	08-06-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 o, m, p Cresol
 Lab Number: S20605310
 Sampled May 7, 1992 Recieved: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface arae exposed	320	230	sq. in	06-12-92
Final volume of solution	3.96	4.34	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Cresol, o, m, p Comment		N.A.		09-23-92
	Sample: Higher detction limit due to matrix interference.			
o- Cresol	<1000	<1	ug/L	09-14-92
m-Cresol	<1000	<1	ug/L	09-14-92
p- Cresol	<1000	<1	ug/L	09-14-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 1,3-Butadiene
 Lab Number: S20605311
 Sampled May 7, 1992 Recieved: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface arae exposed	640	640	sq. in	06-12-92
Final volume of solution	8.61	7.92	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Butadiene, 1,3-By NSF Method Comment				06-18-92
	Sample: Sample S20605311 also had 1.0 ug/L toluene, 0.50 ug/L m-xylene, 0.50 ug/L p-xylene, 1.0 ug/L 1, 2, 4-trimethylbenzene			
Butadiene 1,3-	<5.0	<5.0	ug/L	06-18-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 Acrylonitrile
 Lab Number: S20605312
 Sampled May 7, 1992 Recieved: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface arae exposed	640	640	sq. in	06-12-92
Final volume of solution	8.61	7.92	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Acrylonitrile	<1	<1	ug/L	06-19-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 Benzyl Alcohol

Lab Number: S20605313

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-12-92
Final volume of solution	8.61	7.92	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Benzyl Alcohol	5000	<50	ug/L	07-17-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 2, 4, 4-Trimethyl
hexamethylenediamine

Lab Number: S20605314

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	06-12-92
Final volume of solution	3.96	4.34	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Trimethyl hexamethylenediamine, 2, 4, 4-	<25	<25	ug/L	07-17-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 Phenolics

Lab Number: S20605315

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-12-92
Final volume of solution	8.61	7.92	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Phenolics	<0.001	<0.001	ug/L	06-18-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 Reg Metals

Lab Number: S20605316

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	48	48	sq. in	06-12-92
Final volume of solution	0.78	0.81	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Arsenic	<0.001	<0.001	mg/L	06-15-92
Barium	<0.01	<0.01	mg/L	06-18-92
Cadmium	<0.0001	<0.0001	mg/L	06-16-92
Chromium	<0.001	<0.001	mg/L	06-17-92
Lead	<0.001	<0.001	mg/L	06-17-92

S20605316 Continued

Parameter	Sample	Control	Units	Entered
Mercury	<0.0002	<0.0002	mg/L	06-19-92
Selenium	<0.001	<0.001	mg/L	06-15-92
Silver	<0.0001	<0.0001	mg/L	06-18-92

Description: Arcor, Inc. Arcor S-16 114, 10, 5 Reg Metals

Lab Number: S20605317

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	48	48	sq. in	06-12-92
Final volume of solution	0.78	0.81	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Arsenic	<0.001	<0.001	mg/L	06-15-92
Barium	<0.01	<0.01	mg/L	06-18-92
Cadmium	<0.0001	<0.0001	mg/L	06-16-92
Chromium	<0.001	<0.001	mg/L	06-17-92
Lead	<0.004	<0.002	mg/L	06-17-92
Mercury	<0.0002	<0.0002	mg/L	06-19-92
Selenium	<0.001	<0.001	mg/L	06-15-92
Silver	<0.0001	<0.0001	mg/L	06-18-92

Description: Arcor, Inc. Arcor S-16 MDOD

Lab Number: S20605318

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Result	Units	Entered
Mean Dissolved Oxygen Difference (MDOD) NSF Std. 61			
Mean Dissolved Oxygen Difference	61	mg/L	07-31-92
Total Pseudomonas	0.58	per mL	07-31-92
Total Coliform	8	per mL	07-31-92
	<1		

Description: Arcor, Inc. Arcor S-16 114, 8, 5 TKN

Lab Number: S20605319

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-12-92
Final volume of solution	8.01	7.92	liters	06-12-92
Dilution factor to produce NTU=1	n/a	n/a		06-12-92
Nitrogen, Total kjeldahal	0.15	0.05	mg/L N	07-08-92

Description: Arcor, Inc. Arcor S-16 115, 10, (16 hr.) Reg Metals

Lab Number: S20608430

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	48	48	sq. in	06-24-92
Final volume of solution	0.76	0.79	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Arsenic	<0.001	<0.001	mg/L	06-26-92
Barium	<0.01	<0.01	mg/L	06-26-92
Cadmium	<0.0001	<0.0001	mg/L	06-26-92
Chromium	<0.001	<0.001	mg/L	06-26-92
Lead	<0.001	<0.001	mg/L	06-26-92
Mercury	<0.0002	<0.0002	mg/L	07-08-92
Selenium	<0.001	<0.001	mg/L	06-26-92
Silver	<0.0001	<0.0001	mg/L	06-26-92

Description: Arcor, Inc. Arcor S-16 114, 8, 5 TKN

Lab Number: S20605319

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	06-24-92
Final volume of solution	3.97	4.16	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Nitrogen, Total kjeldahal	0.36	0.07	mg/L N	07-02-92

All work performed at NSF International, Ann Arbor, Michigan , USA

<u>References to Testing Procedures:</u>	<u>NSF Reference</u>
1,3-Dichoro-2-Propanol	-0220423
3-Chloro-1,2-Propanediol	-0220422
Acrylonitrile	-022063603
Additives sample preparation information	-E8ADINFO
Arsenic	-I3AS021
Barium	-I3BA031
Benzyl Alcohol	-0220445
Bisphenol A	-031009NIOS
Butidiene, 1,3-By NSF Method	-031025NSF
Cadmium	-I3CD021
Chromium	-I3CR021
Cresol, o, m, p	-0220446
Epichlorohydrin, by EPA Method 502.2	-032069502
Formaldehyde	-030100NSF
Lead	-I3PB021
Mean Dissolved Oxygen Difference (MDOD) NSF Std. 61	-M009
Mercury	-I3HG050
Nitrogen, Total kjeldahi	-I26008351
Phenolics	-I280012420
Phenol Glycidyl Ether, p-tert-Butyl	-032078NSF
Selenium	-I3SE021
Silver	-I3AG021
Trimethyl hexamethylenediamine, 2,4,4-	-038000NSF

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) Epichlorohydrin +
By-Products

Lab Number: S20608413

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
1,3-Dichloro-2-Propanol	<100	<100	ug/L	07-08-92
Epichlorohydrin	<5.0	<5.0	ug/L	07-07-92
3-Chloro-1,2-Propanediol	<2000	<2000	ug/L	07-09-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) p-tert-Butyl Phenyl
Glycidyl Ether

Lab Number: S20608414

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Phenyl Glycidyl Ether, p-tert-Butyl	<5.0	<5.0	ug/L	07-16-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) Formaldehyde

Lab Number: S20608415

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Formaldehyde	<0.01	<0.03	mg/L	07-07-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) o,m,p Cresol

Lab Number: S20608416

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	06-24-92
Final volume of solution	3.97	4.16	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92

S20608416 Continued

Parameter	Sample	Control	Units	Entered
Cresol, o,m,p Comment		N.A.		09-23-92
	Sample: Higher detection limit due to matrix interference.			
o- Cresol	<1000	<1	ug/L	09-14-92
m-Cresol	<1000	<1	ug/L	09-14-92
p- Cresol	<1000	<1	ug/L	09-14-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) 1,3-Butadiene
Lab Number: S20608417

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Butadiene, 1,3-By NSF Method Comment				07-07-92

Sample: Sample S20608417 also had 2.0 ug/L Chloroform, 0.60 ug/L Ethylbenzene, 0.70 ug/L m-xylene, 0.70 ug/L p-xylene, 6.0 ug/L 1, 2, 4-trimethylbenzene.

Control: Sample C20623779 also had 9.0 ug/L Bromodichloromethane, 1.0 ug/L 2-Chlorethyl vinyl ether, 0.8 ug/L Chlorodibromomethane and approximately 51 ug/L Chloroform.

Butadiene 1,3-	<5.0	<5.0	ug/L	07-07-92
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Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) Acrylonitrile
Lab Number: S20608418

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Acrylonitrile	<1	<1	ug/L	06-26-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) Benzyl Alcohol
Lab Number: S20608419

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-25-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Benzyl Alcohol	1800	<50	ug/L	09-23-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) 2, 4, 4-Trimethyl
hexamethylenediamine

Lab Number: S20608420

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	06-24-92
Final volume of solution	3.97	4.16	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Trimethyl hexamethylenediamine, 2, 4, 4-	<25	<25	ug/L	07-17-92

Description: Arcor, Inc. Arcor S-16 115, 8, (16 hr.) Phenolics

Lab Number: S206058425

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	06-24-92
Final volume of solution	7.91	8.21	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Phenolics	<0.001	<0.001	mg/L	07-01-92

Description: Arcor, Inc. Arcor S-16 115, 5, (16 hr.) Reg Metals

Lab Number: S20608426

Sampled May 7, 1992

Received: June 2, 1992

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	48	48	sq. in	06-24-92
Final volume of solution	0.76	0.79	liters	06-24-92
Dilution factor to produce NTU=1	n/a	n/a		06-24-92
Arsenic	<0.001	<0.001	mg/L	06-26-92
Barium	<0.01	<0.01	mg/L	06-26-92
Cadmium	<0.0001	<0.0001	mg/L	06-26-92
Chromium	<0.001	<0.001	mg/L	06-26-92
Lead	<0.001	<0.001	mg/L	06-26-92
Mercury	<0.0002	<0.0002	mg/L	07-08-92
Selenium	<0.001	<0.001	mg/L	06-26-92
Silver	<0.0001	<0.0001	mg/L	06-26-92

All work performed at NSF International, Ann Arbor, Michigan , USA

<u>References to Testing Procedures:</u>	<u>NSF Reference</u>
1,3-Dichoro-2-Propanol	-0220423
3-Chloro-1,2-Propanediol	-0220422
Acrylonitrile	-022063603
Additives sample preparation information	-E8ADINFO
Arsenic	-I3AS021
Barium	-I3BA031
Benzyl Alcohol	-0220445
Bisphenol A	-031009NIOS
Butidiene, 1,3-By NSF Method	-031025NSF
Cadmium	-I3CD021
Chromium	-I3CR021
Cresol, o, m, p	-0220446
Epichlorohydrin	-032069502
Formaldehyde	-030100NSF
Lead	-I3PB021
Mercury	-I3HG050
Nitrogen, Total kjeldahi	-I26008351
Phenolics	-I280012420
Phenol Glycidyl Ether, p-tert-Butyl	-032078NSF
Selenium	-I3SE021
Silver	-IAG021
Trimethyl hexamethylenediamine, 2,4,4-	-038000NSF

NSF International

P.O. Box 1468
Ann Arbor, Michigan 48106
Tel: 313-769-8010
Fax: 313-769-0109

Test # 3

March 13, 1995

Customer 03880
Arcor, Inc.
221 Libbey Industrial Parkway
E. Weymouth, MA 02189
Attn: Mr. Markl Wanthal

Plant 03880
Same

Collection Date: 7-May-1992 00:00:00.00
Tracking ID: PM00273
Region: 03

Description: Arcor, Inc. S-16pw
Lab Number: S30608048

Sampled: Jan 25, 1993

Recieved: Jan 27, 1993

Class Function: PMTL/PNT
Tracking ID: PM00273
Evaluation Dose: None
Listed or Retest: A1
Testing Standard: 61

Parameter	Result	Units	Entered
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Results of Testing Follows

Description: Arcor, Inc. S-16pw 189,1,82C, pH 8, Non-Cl
Lab Number: S30608050

Sampled: Jan 25, 1993

Recieved: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information

Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	0.4	<0.1	mg/L N	07-12-93

Description: Arcor, Inc. S-16pw 189, 2, 82C, pH 8, Non-Cl

Lab Number: S30608051

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	0.1	<0.1	mg/L N	08-11-93

Description: Arcor, Inc. S-16pw 189, 9, 82C, pH 8, Non-Cl

Lab Number: S30608053

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	0.2	<0.1	mg/L N	07-12-93

Description: Arcor, Inc. S-16pw 189, 16, 82C, pH 8, Non-Cl

Lab Number: S30608054

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	0.1	<0.1	mg/L N	08-11-93

Description: Arcor, Inc. S-16pw 189, 23, 82C, pH 8, Non-Cl

Lab Number: S30608055

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
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Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	0.1	<0.1	mg/L N	08-11-93

Description: Arcor, Inc. S-16pw 189, 30, 82C, pH 8, Non-Cl

Lab Number: S30608056

Sampled: Jan 25, 1993

Recieved: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	0.1	<0.1	mg/L N	08-11-93

Description: Arcor, Inc. S-16pw 189, 37, 82C, pH 8, Non-Cl

Lab Number: S30608057

Sampled: Jan 25, 1993

Recieved: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	5.10	liters	08-02-93
Nitrogen, Total Kjeldahl	<0.1	<0.1	mg/L	08-11-93

Description: Arcor, Inc. S-16pw 189, 9, 82C, pH 5, 2 ppm Cl

Lab Number: S30608058

Sampled: Jan 25, 1993

Recieved: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface arae exposed	45	45	sq. in	08-02-93
Final volume of solution	0.780	0.780	liters	08-02-93
Antimony	<0.002	<0.002	mg/L	07-09-93
Arsenic	<0.001	<0.001	mg/L	07-09-93
Barium	<0.01	<0.01	mg/L	07-06-93
Beryllium	<0.0004	<0.0004	mg/L	07-09-93
Cadmium	<0.0001	<0.0001	mg/L	07-08-93
Chromium	<0.001	<0.001	mg/L	07-06-93
Copper	<0.01	<0.01	mg/L	07-02-93
Lead	<0.001	<0.001	mg/L	07-12-93
Mercury	<0.0002	<0.0002	mg/L	07-06-93
Nickel	<0.01	<0.01	mg/L	07-02-93
Selenium	<0.001	<0.001	mg/L	07-09-93
Thallium	<0.0003	<0.0003	mg/L	07-02-93

Description: Arcor, Inc. S-16pw 189, 9, 82C, pH 10, 2m ppm Cl
Lab Number: S30608059

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	45	45	sq. in	08-02-93
Final volume of solution	0.780	0.780	liters	08-02-93
Antimony	<0.002	<0.002	mg/L	07-09-93
Arsenic	<0.001	<0.001	mg/L	07-09-93
Barium	<0.13	<0.01	mg/L	07-06-93
Beryllium	<0.0004	<0.0004	mg/L	07-09-93
Cadmium	<0.0001	<0.0001	mg/L	07-08-93
Chromium	<0.001	<0.001	mg/L	07-06-93
Copper	<0.01	<0.01	mg/L	07-02-93
Lead	<0.002	<0.001	mg/L	07-12-93
Mercury	<0.0002	<0.0002	mg/L	07-06-93
Nickel	<0.01	<0.01	mg/L	07-02-93
Selenium	<0.001	<0.001	mg/L	07-09-93
Thallium	<0.0003	<0.0003	mg/L	07-02-93

Description: Arcor, Inc. S-16pw 189, 9, 82C, pH 8, Non-Cl
Lab Number: S30608060

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	320	320	sq. in	08-02-93
Final volume of solution	4.95	4.95	liters	08-02-93
Bisphenol A	100	<25	ug/L	08-16-93

Description: Arcor, Inc. S-16pw 189, 9, 23C, pH 8, Non-Cl
Lab Number: S30608061

Sampled: Jan 25, 1993

Received: Jan 27, 1993

Parameter	Sample	Control	Units	Entered
Additives sample preparation information				
Amount of surface area exposed	640	640	sq. in	08-02-93
Final volume of solution	8.61	7.92	liters	08-02-93
Dilution factor to produce NTU=1	n/a	n/a		07-07-93
Epichlorohydrin, by EPS Method 502.02				
Comment				07-19-93
Sample: Sample S30608061 also had 1.6 ug/L toluene, 0.6 ug/L m-xylene, and 0.6 ug/L p-xylene				
Epichlorohydrin	<5.0	<5.0	ug/L	0719-93

All work performed at NSF International, Ann Arbor, Michigan , USA

References to Testing Procedures:

Additives sample preparation information

Antimony

Arsenic

Barium

Beryllium

Bisphenol A

Cadmium

Chromium

Copper

Epichlorohydrin, by EPA Method 502.2

Lead

Mercury

Nickel

Nitrogen, Total kjeldahi

Phenolics

Selenium

Thallium

NSF Reference

-E8ADINFO

-I3SB021

-I3AS021

-I3BA031

-I3BE021

-040001NSF

-I3CD021

-I3CR021

-I3CU031

-032069502

-I3PB021

-I3HG050

-I3NI031

-I26008351

-I28012420

-I3SE021

-I3TL021