

# Methods Other Than EPA

## ASTM and USP 467

### D7598 Analysis for Thiodiglycol

#### ASTM Thiodiglycol Standard

**D-7598** 1 x 1 mL  
4.0 mg/mL in MeOH

Thiodiglycol

#### ASTM Thiodiglycol Surrogate Standard

**D-7598-SS** 1 x 1 mL  
4.0 mg/mL in MeOH

3,3'-Thiodipropanol

### D7599 Analysis for Ethanolamines

#### ASTM Ethanolamine Standard

**D-7599** 1 x 1 mL  
50 µg/mL each in MeOH 5 comps.

Diethanolamine N-Ethyldiethanolamine  
Triethanolamine Diethanolamine-d<sub>3</sub>  
N-Methyldiethanolamine

### D7600 Analysis for Carbamates

#### ASTM Carbamate Standard

**D-7600** 1 x 1 mL  
At stated conc. (µg/mL) in MeOH 5 comps.

Ardicarb 200 Methomyl 200  
Carbofuran 200 BDMC 400  
Oxamyl 200

#### ASTM Carbamate Surrogate Std.

**D-7600-SS** 1 x 1 mL  
400 µg/mL in MeOH

BDMC

### D7645 Analysis for Carbamates

#### ASTM Carbamate Standard

**D-7645** 1 x 1 mL  
100 µg/mL each in MeOH 8 comps.

Ardicarb Oxamyl  
Aldicarb sulfone Methomyl  
Aldicarb sulfoxide Thiofanox  
Carbofuran Carbofuran-d<sub>3</sub>

#### ASTM Carbamate Matrix Spike Standard

**D-7645-MS** 1 x 1 mL  
50 µg/mL each in MeOH 7 comps.

Ardicarb Oxamyl  
Aldicarb sulfone Methomyl  
Aldicarb sulfoxide Thiofanox  
Carbofuran

#### ASTM Carbamate Surrogate Std.

**D-7645-SS** 1 x 1 mL  
**D-7645-SS-PAK** **SAVE** 5 x 1 mL  
100 µg/mL in MeOH

Carbofuran-d<sub>3</sub>

### ASTM D5837 Furanic Compound Extraction in Electrical Insulating Liquids by HPLC

#### Furanic Compound Extraction Standard

**D-5837-01** 1 x 1 mL  
1000 µg/mL each in AcCN 5 comps.

2-Acetylfuran 5-(Hydroxymethyl)-2-furaldehyde  
2-Furaldehyde 5-Methylfurfural  
Furfuryl alcohol

#### Furanic Compound Calibration Standard

**D-5837-02** 1 x 1 mL  
1000 µg/mL each in Toluene 5 comps.

2-Acetylfuran 5-(Hydroxymethyl)-2-furaldehyde  
2-Furaldehyde 5-Methylfurfural  
Furfuryl alcohol

### USP / National Formulary 467 Residual Solvent Standards

#### Residual Solvent Standard Class 1

**NF-467-CLASS1** 1 x 1 mL  
At stated conc. (mg/mL) in DMSO 5 comps.

Benzene 10  
Carbon tetrachloride 20  
1,2-Dichloroethane 25  
1,1-Dichloroethene 40  
1,1,1-Trichloroethane 50

#### Residual Solvent Standard Class 2 Mix A

**NF-467-CLASS2-A** 1 x 1 mL  
At stated conc. (mg/mL) in DMSO 15 comps.

Acetonitrile 2.1  
Chlorobenzene 1.8  
Cyclohexane 19.4  
*cis*-1,2-Dichloroethene 4.7  
*trans*-1,2-Dichloroethene 4.7  
1,4-Dioxane 1.9  
Methanol 15  
Methylcyclohexane 5.9  
Methylene chloride 3.0  
Tetrahydrofuran 3.6  
Toluene 4.5  
Ethylbenzene 1.8  
*m*-Xylene 6.5  
*o*-Xylene 1.0  
*p*-Xylene 1.5

#### Residual Solvent Standard Class 2 Mix B

**NF-467-CLASS2-B** 1 x 1 mL  
At stated conc. (mg/mL) in DMSO 8 comps.

Chloroform 60  
1,2-Dimethoxyethane 100  
Hexane 290  
Methyl butyl ketone 50  
Nitromethane 50  
Pyridine 200  
Tetralin 100  
Trichloroethylene 80

#### Residual Solvent Standard Class 2 Mix C

**NF-467-CLASS2-C** 1 x 1 mL  
At stated conc. (mg/mL) in DMSO 8 comps.

N,N-Dimethylacetamide 5.5  
N,N-Dimethylformamide 4.4  
2-Ethoxyethanol 0.8  
Ethylene glycol 3.1  
Formamide 1.1  
2-Methoxyethanol 0.25  
N-Methyl-2-pyrrolidone 2.6  
Sulfolane 0.8

#### Residual Solvent Standard Class 3 Mix A

**NF-467-CLASS3-A** 1 x 1 mL  
5.0 mg/mL each in DMF 24 comps.

Acetone Isobutyl acetate  
Anisole Isopropyl acetate  
1-Butanol Methyl acetate  
2-Butanol 3-Methyl-1-butanol  
Butyl acetate Methyl ethyl ketone  
MtBE Methyl isobutyl ketone  
Dimethyl sulfoxide 2-Methyl-1-propanol  
Ethanol Pentane  
Ethyl acetate 1-Pentanol  
Ethyl ether 1-Propanol  
Ethyl formate 2-Propanol  
Heptane Propyl acetate

#### Residual Solvent Standard Class 3 Mix B

**NF-467-CLASS3-B** 1 x 1 mL  
5.0 mg/mL each in DMF

Acetic acid  
Formic acid

#### USP 467 Cumene Standard

**NF-467-CUMENE** 1 x 1 mL  
5.0 mg/mL in DMF

Cumene