Nitrosamine Standards

AccuStandard®

Nitrosamines in Food and Pharmaceuticals

As a "Process Contaminant", N-nitrosamines form as a byproduct during the manufacturing of food and pharmaceuticals. Due to its known carcinogenic and genotoxic characteristics, selective analysis for different Nitrosamines is important to reduce consumer's exposure to these toxic contaminants

https://www.accustandard.com/nitrosamine-standards

FDA Method - Nitrosamine Impurities in Drugs

FDA-001S — **1 mL**

100 µg/mL each in Methanol — 8 comps.

- N-Nitrosodimethylamine
- N-Nitrosodiethylamine
- N-Nitroso-N-ethyl-2-propanamine
- N-Nitrosodiisopropylamine
- N-Nitrosodi-n-propylamine
- N-Nitroso-N-methylaniline
- N-Nitrosodi-n-butylamine
- N-Nitroso-N-methyl-4-aminobutyric acid

Nitrosamine Compounds

Compound	CAS No.	Conc. (µg/mL)	Matrix	Cat. No.	Unit
N-Nitrosofenfluramine		100	MeOH	NAS-015S	1 mL
N-Nitroso fluoxetine	150494-06-7	100	MeOH	NAS-016S	1 mL
N-Nitrosodicyclohexylamine	947-92-2	100	MeOH	NAS-017S	1 mL
N-Nitroso-N-methyl-4-aminobutyric acid	61445-55-4	100	MeOH	NAS-018S	1 mL
N-Nitroso-ditertbutylamine	63819-70-5	100	MeOH	NAS-019S	1 mL
N-Nitrosodiethanolamine	1116-54-7	100	MeOH	NAS-020S	1 mL
N-Nitrosodi-n-propylamine-d14	93951-96-3	100	MeOH	NAS-D-001S	1 mL
N-Nitrosodiethylamine-d10	1219794-54-3	100	MeOH	NAS-D-003S	1 mL
N-Nitrosodi-n-butylamine-d18	1219798-82-9	100	MeOH	NAS-D-002S	1 mL
N-Nitrosodimethylamine-d6	17829-05-9	100	MeOH	NAS-D-004S	1 mL
N-Nitrosodiethanolamine-d8	1173019-53-8	100	MeOH	NAS-D-020S	1 mL
N-Nitrosodi-n-butylamine	924-16-3	100	CH2Cl2	APP-9-147	1 mL
		2000	CH2Cl2	APP-9-147-20X	1 mL
N-Nitrosodiethylamine	55-18-5	100	CH2Cl2	APP-9-148	1 mL
		2000	CH2Cl2	APP-9-148-20X	1 mL
N-Nitrosodimethylamine	62-75-9	100	CH2Cl2	APP-9-149	1 mL
		1000	MeOH	APP-9-149-M-10X	1 mL
N-Nitrosodiphenylamine	86-30-6	100	CH2Cl2	APP-9-150	1 mL
		1000	MeOH	APP-9-150-M-10X	1 mL
N-Nitrosodi-n-propylamine	621-64-7	100	CH2Cl2	APP-9-151	1 mL
		2500	CH2Cl2	APP-9-151-25X	1 mL
N-Nitrosomethylethylamine	10595-95-6	100	CH2Cl2	APP-9-152	1 mL
N-Nitrosodi-n-propylamine	621-64-7	5000	MeOH	AS-E0060	1 mL
N-Nitrosodiphenylamine	86-30-6	5000	MeOH	AS-E0061	1 mL
N-Nitrosodiethylamine	55-18-5	5000	MeOH	AS-E0334	1 mL
N-Nitroso-N-methyl ethylamine	10595-95-6	1000	MeOH	AS-E0974	1 mL
N-nitrosodi-n-propylamine-d14	93951-96-3	1000	CH2Cl2	M-521-IS	1 mL
N-Nitrosodimethylamine-d6	17829-05-9	1000	CH2Cl2	M-521-SS	1 mL
N-Nitrosodi-n-butylamine	924-16-3	500	Water	M-8015B-5031-20	1 mL

ASTM Method D8456 - Nitrosamines in Water

ASTM D8456 is designed to test for N-nitrosamines in groundwater, surface water, wastewater influents, and wastewater effluents.

Nitrosamines in Water

D-8456 — **1 mL**

2 µg/mL each in Water:Methanol (98:2) — 13 comps.

- N-Nitrosodimethylamine
- N-Nitrosomorpholine
- N-Nitroso-N-methyl-4-aminobutyric acid
- N-Nitrosopyrrolidine
- N-Nitrosoethylmethylamine
- N-Nitrosodiethylamine
- N-Nitrosopiperidine
- N-Nitroso-N-ethyl-2-propanamine
- N-Nitrosodiisopropylamine
- N-Nitrosodi-n-propylamine
- N-Nitrosodi-n-butylamine
- N-Nitroso-N-methylaniline
- N-Nitrosodiphenylamine

Nitrosamines in Water - Internal Standard

D-8456-IS — **1 mL**

2 µg/mL each in Water:Methanol (98:2) — 2comps.

- N-Nitrosodimethylamine-d6
- N-Nitrosodiethylamine-d10

USEPA Methods on reverse side

Nitrosamine USEPA Methods

The USEPA has developed multiple test methods for the determination of Nitrosamines in drinking water, underground water and municipal and industrial wastewater. Monitoring contaminates such as NDMA, NDEA and other emerging nitrosamines is important for both regulation compliance as well as reducing exposure to these toxins.

EPA Method 521 - Nitrosamines in Drinking Water by SPE and 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 — *SAVE* **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 — *SAVE* **5 x 1 mL**
1.0 mg/mL in CH_2Cl_2

- N-Nitrosodimethylamine-d_6

Method 607 - Nitrosamines in Wasteswter by GC/NPD

M-607 — **1 x 1 mL**
M-607-PAK — *SAVE* **5 x 1 mL**
At stated conc. (mg/mL) in MeOH — 3 comps.

N-Nitrosodimethylamine	0.2	N-Nitrosodi-*n*-propylamine	0.2
N-Nitrosodiphenylamine	0.4		

Method 8070A - Detection of Nitrosamines by NPD / Reductive Hall or TEA

Nitrosamines

M-8070 — **1 x 1 mL**
M-8070-PAK — *SAVE* **5 x 1 mL**
2.0 mg/mL each in MeOH — 3 comps.

- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- N-Nitrosodi-*n*-propylamine

Nitrosamines Alternate Mix

M-8270-03-ASL — **1 x 1 mL**
2.0 mg/mL each in CH_2Cl_2 — 9 comps.

- N-Nitrosodi-*n*-butylamine
- N-Nitrosodiethylamine
- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- N-Nitrosodi-*n*-propylamine
- N-Nitrosomethylethylamine
- N-Nitrosomorpholine
- N-Nitrosopiperidine
- N-Nitrosopyrrolidine

Method 8270 - Nitrosamines in Aqueous Miatrices by Capillary Column GC-MS

M-8270-01 — **1 x 1 mL**
2 mg/mL each in CH_2Cl_2 — 17 comps.

- Aniline
- Benzyl alcohol
- bis(2-Chloroethyl) ether
- bis(2-Chloroisopropyl)ether
- 2-Chlorophenol
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Ethylmethanesulfonate
- Hexachloroethane
- Methylmethanesulfonate
- *o*-Cresol
- *p*-Cresol
- N-Nitrosodimethylamine
- N-Nitrosodi-*n*-propylamine
- Phenol
- 2-Picoline

M-8270-02 — **1 x 1 mL**
2 mg/mL each in CH_2Cl_2 — 18 comps.

- Acetophenone
- Benzoic acid
- bis(2-Chloroethoxy)methane
- 4-Chloroaniline
- 4-Chloro-3-methylphenol
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- α,α-Dimethylphenethylamine
- 2,4-Dimethylphenol
- Hexachlorobutadiene
- Isophorone
- 2-Methylnaphthalene
- Naphthalene
- Nitrobenzene
- 2-Nitrophenol
- N-Nitroso-di-*n*-butylamine
- N-Nitrosopiperidine
- 1,2,4-Trichlorobenzene

M-8270-02-R1 — **1 x 1 mL**
2 mg/mL each in CH_2Cl_2 — 17 comps.

- Acetophenone
- Benzoic acid
- bis(2-Chloroethoxy)methane
- 4-Chloroaniline
- 4-Chloro-3-methylphenolL
- 2,4-Dichlorophenol
- 2,6-Dichlorophenol
- 2,4-Dimethylphenol
- Hexachlorobutadiene
- Isophorone
- 2-Methylnaphthalene
- Naphthalene
- Nitrobenzene
- 2-Nitrophenol
- N-Nitrosodi-n-butylamine
- N-Nitrosopiperidine
- 1,2,4-Trichlorobenzene