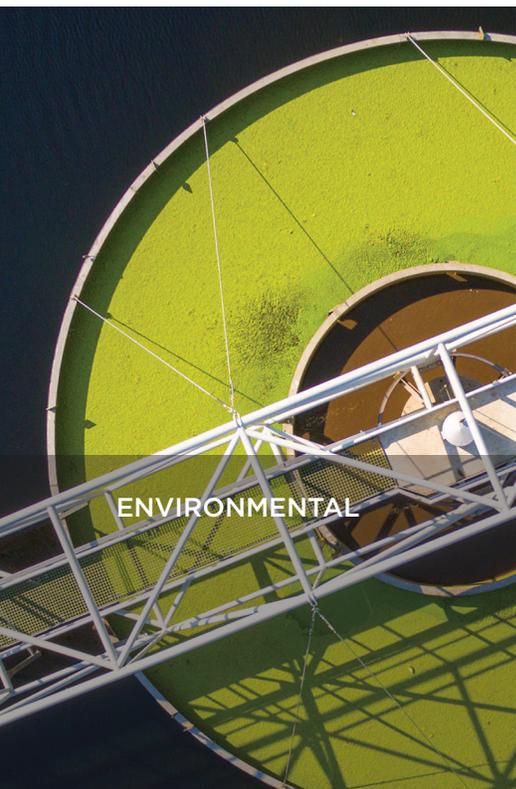


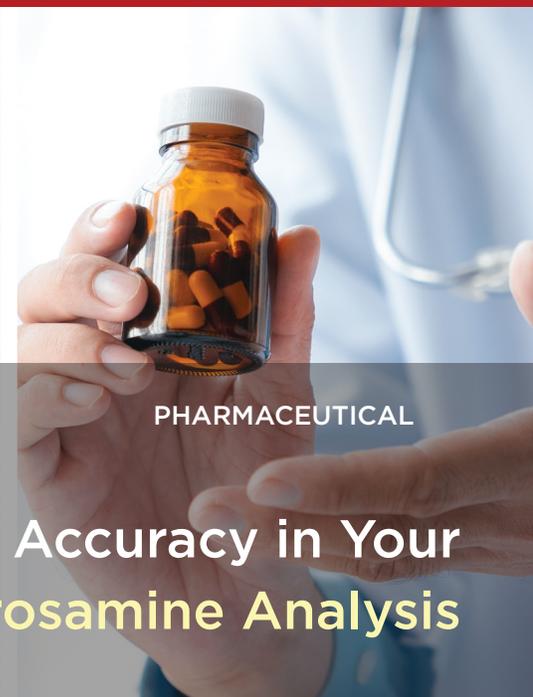
# SPEX® | CHIRON



ENVIRONMENTAL



FOOD SAFETY



PHARMACEUTICAL

NITROSAMINE CERTIFIED REFERENCE MATERIALS

## Ensure Accuracy in Your Nitrosamine Analysis

Nitrosamines are organic compounds that commonly form as by-products in processed foods, tobacco, cosmetics, and medications. They can arise during drug manufacturing processes, food preservation, or cooking at high temperatures. In the environment, nitrosamines are detected in water systems, primarily as a result of industrial discharges, agricultural runoffs, and water treatment processes.

Given their potential to adversely impact human health and ecosystems, testing for nitrosamine levels is essential. To meet these demands, ZeptoMetrix offers a comprehensive portfolio of certified reference materials, tailored to support key analytical methods and ensure regulatory compliance.

### Nitrosamine Certified Reference Materials:

- Suitable for use with EPA Methods 521, 607, 8070A, 8270, and 8260D
- Suitable for use with other methods from the FDA, AOAC, USDA
- Suitable for use with ASTM Method D8456
- Single-compound solutions and mixes
- Custom synthesis available



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Unlabeled

Part No.	Product Name	Synonym	CAS No.	Concentration	Matrix
CRM9004.2-K-ME	N-Nitrosodimethylamine	NDMA	62-75-9	1000 µg/mL	methanol
CRM9005.3-K-ME	N-Nitrosomethylethylamine	NMEA; NEMA	10595-95-6	1000 µg/mL	methanol
CRM9006.4-K-ME	N-Nitrosodiethylamine	NDEA	55-18-5	1000 µg/mL	methanol
CRM9007.6-K-ME	N-Nitrosodi-n-propylamine	NDPA	621-64-7	1000 µg/mL	methanol
CRM9008.8-K-ME	N-Nitrosodi-n-butylamine	NDBA	924-16-3	1000 µg/mL	methanol
CRM9009.4-K-ME	N-Nitrosopyrrolidine	NPYR	930-55-2	1000 µg/mL	methanol
CRM9010.5-K-ME	N-Nitrosopiperidine	NPIP	100-75-4	1000 µg/mL	methanol
CRM11210.3-K-ME	N-Methyl(nitrosoamino)ethanol	n/a	26921-68-6	1000 µg/mL	methanol
CRM14258.5-K-ME	Ethylisopropyl nitrosamine	NEIPA, NIPEA	16339-04-1	1000 µg/mL	methanol
CRM14215.5-K-ME	4-(Methylnitrosoamino)butanoic acid	NMBA	61445-55-4	1000 µg/mL	methanol
CRM8986.4-K-AN	N-Nitrosopiperazine	1-Nitrosopiperazine	5632-47-3	1000 µg/mL	acetonitrile
CRM9018.7-K-ME	N-Nitrosomethylphenylamine	NMPA	614-00-6	1000 µg/mL	methanol
CRM9019.4-100-AN	1,4-Dinitrosopiperazine	n/a	140-79-4	100 µg/mL	acetonitrile
CRM9326.4-K-ME	N-Nitrosomorpholine	NMOR	59-89-2	1000 µg/mL	methanol
CRM9328.12-K-ME	N-Nitrosodiphenylamine	Ndiphen	86-30-6	1000 µg/mL	methanol
CRM9329.14-K-ME	N-Nitrosodibenzylamine	NDBzA	5336-53-8	1000 µg/mL	methanol
CRM10095.6-K-ME	N-Nitrosodiisopropylamine	NDIPA	601-77-4	1000 µg/mL	methanol
CRM9666.4-K-ME	N-Nitrosodiethanolamine	NDELA	1116-54-7	1000 µg/mL	methanol

Mixes

EPA Method 521

Part Number	Total Volume	Solvent
521-A	1 mL	Methylene Chloride
CAS No.	Product Name	Concentration
62-75-9	N-Nitrosodimethylamine	100 µg/mL
10595-95-6	N-Nitrosomethylethylamine	100 µg/mL
55-18-5	N-Nitrosodiethylamine	100 µg/mL
621-64-7	N-Nitrosodi-n-propylamine	100 µg/mL
924-16-3	N-Nitrosodi-n-butylamine	100 µg/mL
930-55-2	N-Nitrosopyrrolidine	100 µg/mL
100-75-4	N-Nitrosopiperidine	100 µg/mL

EPA Method 8070A

Part Number	Total Volume	Solvent
8070-X	1 mL	Methanol
CAS No.	Product Name	Concentration
62-75-9	N-Nitrosodimethylamine	2000 µg/mL
621-64-7	N-Nitrosodi-n-propylamine	2000 µg/mL
86-30-6	N-Nitrosodiphenylamine	2000 µg/mL

Mixes

EPA Method 607

Part Number	Total Volume	Solvent
607-A	1 mL	Methylene Chloride
CAS No.	Product Name	Concentration
62-75-9	N-Nitrosodimethylamine	1000 µg/mL
621-64-7	N-Nitrosodi-n-propylamine	1000 µg/mL
86-30-6	N-Nitrosodiphenylamine	1000 µg/mL

EPA Method 8270D

Part Number	Total Volume	Solvent
8270-AF-C	1 mL	Methylene Chloride
CAS No.	Product Name	Concentration
62-75-9	N-Nitrosodimethylamine	2000 µg/mL
10595-95-6	N-Nitrosomethylethylamine	2000 µg/mL
55-18-5	N-Nitrosodiethylamine	2000 µg/mL
621-64-7	N-Nitrosodi-n-propylamine	2000 µg/mL
924-16-3	N-Nitrosodi-n-butylamine	2000 µg/mL
930-55-2	N-Nitrosopyrrolidine	2000 µg/mL
100-75-4	N-Nitrosopiperidine	2000 µg/mL
86-30-6	N-Nitrosodiphenylamine	2000 µg/mL
59-89-2	N-Nitrosomorpholine	2000 µg/mL



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