



## Speciated Nitrogen Standards for the Identification and Quantification of Nitrogen Compounds in Petroleum Products.

DCG has available NIST traceable by weight, gravimetrically prepared, calibration standards for the identification quantification of Nitrogen compounds found in different petroleum products. These standards, in addition to being gravimetrically prepared and NIST traceable by weight, have been verified by one or more analytical methods. Custom standard concentrations or different matrices are available upon request.

**Part #: Speciated Nitrogen Cal Kit: \$300.00 per kit.**

Kit contains 1 each of p-Xylene blank and Standards 1-5 packaged in 1 mL pre-scored amber ampoules.

Concentration: Total Nitrogen by weight for each compound.

Compound	Std 1	Std 2	Std 3	Std 4	Std 5
Aniline	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
n-Methylaniline	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
n-Ethylaniline	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
Quinoline	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
6-Methylquinoline	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
Acridine	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
4-Decylaniline	1.00 ppm	10.0 ppm	50.0 ppm	75.0 ppm	100 ppm
Balance	p-Xylene	p-Xylene	p-Xylene	p-Xylene	p-Xylene

**Part #: Speciated Nitrogen Check Standard: \$50.00 per 1 mL** pre-scored amber ampoule containing Speciated Nitrogen compounds in p-Xylene.

Concentration: Total Nitrogen by weight for each compound

Compound	Concentration
Aniline	20.0 ppm
n-Methylaniline	30.0 ppm
n-Ethylaniline	40.0 ppm
Quinoline	50.0 ppm
6-Methylquinoline	60.0 ppm
Acridine	70.0 ppm
4-Decylaniline	80.0 ppm
p-Xylene	Balance

Prices are subject to change