



**INSURING THE
SAFETY OF
OUR FOODS
AND PRODUCTS**



SAFETY BULLETIN

N-Nitrosamine Analysis in Raw Materials, Cosmetics, Foods and Pharmaceutical Products

Nitrosamines and *N*-nitroso compounds are strong carcinogens that produce cancer of the liver and kidneys. In experiments conducted to date, 75–80% of nitrosamines tested have been found to be carcinogenic to mammals. Nitrosamines can be found in raw materials, cosmetics, foods, pharmaceuticals and the water we drink.

Nitrosamines were also found in products containing valsartan and other blood pressure medicines belonging to the sartan family. There are multiple reasons why nitrosamines can be present in drugs. FDA found the source of nitrosamines can be related to the drug’s manufacturing process or its chemical structure or even the conditions in which they are stored or packaged. As foods and drugs are processed in the body, nitrosamines can also be formed.

Value Proposition

ADPEN is a leading provider of analytical testing services, offering solutions to facilitate global trade and improve the safety of the supply chain.

ADPEN will provide analytical testing services to:

- ◇ Help our clients mitigate risks and make business operations more sustainable.
- ◇ Verify raw materials, pharmaceuticals, food, beverage and other products are in full compliance with current industry regulations.
- ◇ Ensure the highest level of quality and safety you demand in your products and the supply chain.

LC-MS/MS methodology is used for the analysis of *N*-nitrosamines with a limit of quantification of 50 ppb.

ANALYTES	LOQ
NDELA, NDMA, NMOR, NDiPLA, NMBA, NMEA, NPYR, NDEA, NPIP, NEIPA, NDiPA and NDPA	0.05 µg/g



Contact us to request more analysis information:

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