Are nitrosamines a concern in your drug products?

Discover dsm-firmenich's science-backed antioxidants to mitigate nitrosamine risk

Navigating nitrosamine risk mitigation is an unprecedented challenge for the pharmaceutical industry. We are here to provide high quality antioxidants and unmatched technical expertise to help you succeed in addressing nitrosamines in your drug products.

We are more than an ingredient supplier. We are a science-based, innovation partner to the pharmaceutical industry.

Unleash the power of antioxidants

Using antioxidants is a safe, science-backed and FDA recommended strategy to mitigate nitrosamine formation[1,2]. Ascorbic acid and alpha-Tocopherol are proven to be highly effective antioxidants that scavenge nitrites and consequently inhibit nitrosation reactions and nitrosamine formation.

Even when maximum daily limits of nitrosamines seem manageable, we recommend having a safety mechanism in place: use antioxidants to block and control the formation of potential nitrosamines over time. **You can never be too safe.**

- Ascorbic acid Ultra Fine Powder
- dl-alpha-Tocopherol

- ✓ FDA-recommended mitigation strategy
- ✓ Suitable for different processes such as direct compression or wet granulation
- ✓ ICH Q7 certified ingredients
- ✓ Material and application expertise to support your development
- ✓ Regulatory support worldwide

dsm-firmenich is committed to science and innovation. Together, we can overcome critical formulation challenges in the pharmaceutical space.

Scan this code for more information and to connect with us

1 Nanda KK, et al. Inhibition of N-Nitrosamine Formation in Drug Products: A Model Study. J Pharm Sci. 110(12):3773-3775 (2021).

2 Homšak M, et al. Assessment of a Diverse Array of Nitrite Scavengers in Solution and Solid State: A Study of Inhibitory Effect on the Formation of Alkyl-Aryl and Dialkyl N-Nitrosamine Derivatives. Processes. 10(11):2428 (2022).

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