



November 10, 2023

Subject: Detrex Shelf-Life Statement

To whom it may concern,

As required by FDA regulations, Detrex Chemicals assigns a shelf life in the form of a product expiration date to our drug grade hydrochloric acid products. This expiration date is applied to each container we fill. This expiration date is supported by stability testing conducted by Detrex Chemicals in compliance with the regulations in the Code of Federal Regulations, Title 21, Part 211, Subpart G, Section 211.137.

Detrex Chemicals does not warrant the shelf life/expiration date of our drug product. Product older than the expiration date, or in circumstances where the product may have been stored or handled incorrectly Detrex Chemicals customers are advised to evaluate the conformity of the product to specifications and suitability for the intended use of the product.

In the case our customers choose to handle the product as salvaged drug product or wish to extend the expiry following their internal QMS System, we suggest the following laboratories to complete the applicable testing:

Laboratory	Applicable Testing
Air Liquide	Trace Metal (ICP-MS)
Air Liquide (Balaz)	Organic Extraction
NSL Analytical	Residue
Galbraith	Compendial (EP, BP, USP/NF, JP and ACS)
Pace Analytical	Compendial (IP, ChP)

Sincerely,

Dave Morgan  
Global Product Manager, Hydrochloric Acid  
Detrex Chemicals