

GlyAcid[®]
glycolic acid
formaldehyde free

MOLECULAR EFFICACY

Same Molecule, NextGen Chemistry

Carbonylation of formaldehyde has been the prevailing glycolic acid chemistry for many decades.

GlyAcid[®] is a next generation glycolic acid that does not use formaldehyde in the manufacturing process and is not detected in the finished product at a 5ppm detection limit. It is engineered for personal care delivering on the fundamental tenets of clean beauty awareness and responsibilities.

While GlyAcid[®] is synthesized differently, the analysis demonstrates a molecular efficacy consistent with traditional chemistries.

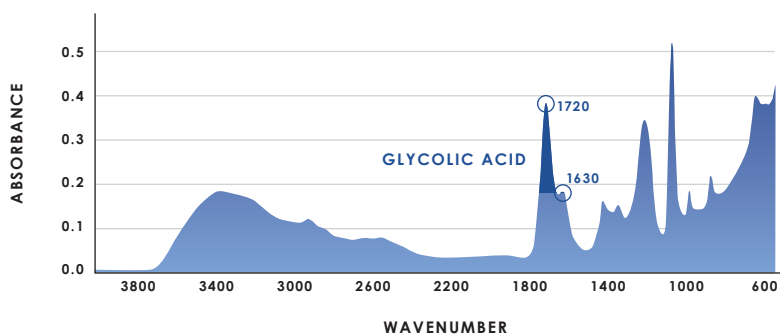
CROSSCHEM | CrossChem LP
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FTIR Spectrum

Glycolic Acid Standard

Glycolic acid is actually an equilibrium between glycolic acid and glycolide (1,4-dioxane-2,5-dione). This equilibrium is evident in the IR by the two peaks found in the carbonyl region at 1720 cm^{-1} and 1630 cm^{-1} .



Comparative Overlay

To ensure efficacy with existing products, we compared the FTIR spectrum of three CrossChem GlyAcid[®] lots with a leading competitor. As shown in the overlay below, GlyAcid[®] possesses an identical infrared spectrum.

