



May 20, 2021

Dear Valued Business Partner,

As you know, Ashland takes pride in the quality of our Gafchromic™ film products and service to our customers. We have previously communicated our challenges producing Gafchromic™ XRQA2 films which meet our quality release specifications. Our R&D and Manufacturing teams are still actively working on a new generation of XRQA films. As a result, the Gafchromic™ XRQA2 films remain **unavailable**.

A new decision has been made to maintain the suspension of future production of XRQA2 film. Our goal is to launch a new product called Gafchromic™ XRQA3 in the coming months. Although optimistic and hopeful it could be sooner, realistically it could be at least four to six months before we can ship the first XRQA3 sheet films as commercial product.

Having said that, most of our customers have tested successfully Gafchromic™ XR-SP2 for geometrical testing, beam size identification, beam alignment, and verification of Collimation. Despite visual defects which are small particles on the surface of the film, the sensitivity/uniformity of the product remains the same. The product has been FDA listed and carries the CE mark. It is **less expensive** and available and if the application is not dosimetry, it can be used in lieu of XR-QA2.

Ashland recognizes the significant impact backorders have for you and your customer base and is working aggressively to restore availability of XRQA type films. We will keep you updated as we get closer to releasing XRQA3.

If you have any questions, please reach out to us. We thank you for your support as we work through this production challenge.

Yours sincerely,

Jean-Jacques Gulka  
Advanced Materials Director