

Product

GEX PRODUCT ID	PRODUCT NAME
GAF3500	GAF3500-GAF GEX B3 Dosimeters BULK
GAF3501	GAF3501-GAF GEX B3 Dosimeters 1/pouch



GAF3500



GAF3501

Product	Dosimeter Size	Pouch Size	Packaged
GAF3500	10mm X 20mm	Length 57.9mm ±3.2mm Width 38.1mm ±1.6mm	5 dosimeters/Pouch
GAF3501	10mm X 20mm	Length 57.9mm ±3.2mm Width 38.1mm ±1.6mm	1 dosimeter/Pouch

Product Description

- GEX GAF radiochromic film dosimeters use Gafchromic™ HD V2 active film laminated to paper, individually printed with batch ID and unique barcode/serial number, packaged in a hermetically sealed pouch for moisture and UV protection.
- Each unit contains 3000 ±200 pouched dosimeters and may be packaged in multiple cartons. Unit weight: 4 lbs. ± 1 lb.

Intended Use

- For low absorbed-dose measurements as a component of a routine dosimetry system for use in radiation processing applications and research (reference *ASTM 52628, Standard Practice for Dosimetry for Radiation Processing*).
- Traceable measurements.

Product Requirements

- Use:** Reference *ASTM 51275, Standard Practice for Use of a Radiochromic Film Dosimetry System*.
- Measurement device:** VIS spectrophotometer.
- Response:** Measured signal value after irradiation less the value prior to irradiation (or the average value prior to irradiation)
- Orientation:** Maintain same orientation in dosimeter holder during calibration and measurement (always face the barcode side of the dosimeter the same direction during calibration and measurement).
- Environmental:** Avoid UV exposure and temperatures $\geq 47.5^{\circ}\text{C}$ during storage/transport; refrigerate for improved dark stability, if required.



Maintenance/Storage

- Store pouches in original packaging away from heat, sunlight, and UV sources. Dosimeters in pouches are environmentally protected from humidity. User must consume, discard, or justify continued use after pouch is opened.
- Shelf life: User shall determine. See film manufacturer certificate provided with each order.

Certification/Warranty

- Gafchromic HD-V2 film; See Ashland warranty
- GEX warrants the workmanship of the assembled dosimeter and packaging in accordance with our standard terms and conditions posted on our corporate website.

Calibration/Qualification

Calibration	User calibration required. Refer to ASTM 51261, ASTM 51275 and NPL CIRM29 for more information.
Qualification	User qualifications of measurement parameters and resulting performance required.

Cautions/Safety

- Do not "heat treat" or incubate after irradiation.
- Do not expose dosimeters to sunlight or other UV light sources.
- If temperature indicators show exposure above 47.5°C during shipping, contact GEX support.
- Dispose of used dosimeter in general waste (no MSDS required).

Shipping/Delivery

Country of origin	U.S.A.
Temperature controls or monitoring required?	Yes. Temperature labels attached inside carton lid.

- Packaging: Hermetically sealed pouches; carton dimensions = 20 × 18 × 4.2 cm.
- Must ship express air freight or warranty is void.

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