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## FWT-60-00 Characterization
## Batch 8F8

Coefficient of Variation of k
(30 kGy, 23 °C and 50 % RH)

| 600 nm | 510 nm |
|---|---|
| 1.2 % | 2.0 % |

Variation in dose from
± 3% variation in k at 30 kGy

| 600 nm | 510 nm |
|---|---|
| 4.0 % | 3.8 % |

Typical Calibration Curve (at 23 °C and 50 % RH)
Note: 50 kGy, 600 nm response corrected 12 Nov. 1998.

| Dose, kGy | k, $mm^{-1}$ at 600 nm | k, $mm^{-1}$ at 510 nm |
|---|---|---|
| 1 | 1.78 | 0.22 |
| 5 | 8.28 | 0.96 |
| 10 | 15.49 | 1.74 |
| 30 | 39.85 | 4.61 |
| 50 | 55.53 | 6.80 |
| 70 | 63.22 | 8.55 |
| 100 | 66.78 | 11.02 |

Temperature Dependence (at 30 kGy and 50 % RH)

| T, °C | -76 | 0 | 20 | 30 | 40 | 50 |
|---|---|---|---|---|---|---|
| k, $mm^{-1}$ at 600 nm | 28.94 | 38.73 | 39.98 | 39.41 | 39.19 | 38.56 |
| k, $mm^{-1}$ at 510 nm | 3.26 | 4.59 | 4.71 | 4.67 | 4.74 | 4.74 |

Humidity Dependence (at 30 kGy and 23 °C)

| %RH | 33 | 41 | 46 | 59 |
|---|---|---|---|---|
| k, $mm^{-1}$ at 600 nm | 41.64 | 41.53 | 40.06 | 37.22 |
| k, $mm^{-1}$ at 510 nm | 4.96 | 4.90 | 4.71 | 4.42 |

Note: k is the specific absorbance and is determined from the thickness, t, and final and initial absorbances $A_f$ and $A_i$: $k = (A_f - A_i) / t$.