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FWT-60-00 Characterization
Batch 1050

Coefficient of Variation of k

600 nm	510 nm
2.4%	2.5%

Variation in dose from +/- 3% variation in k at 30 kGy

600 nm	510 nm
3.8%	3.7%

Typical Calibration Curve
(Dosimeters pre-conditioned to 20 C and 50%RH)

Dose, kGy	k, mm^{-1} at 600 nm	k, mm^{-1} at 510 nm
1	1.73	--
5	7.95	0.97
10	15.18	1.79
30	38.46	4.82
50	54.68	7.25
70	63.04	8.90
100	--	10.84
150	--	13.94
200	--	15.06

Temperature Dependence
(Dosimeters pre-conditioned to 20 C and 50%RH)

T, C	-73	-47	-25	0	20	30	40	50
k, mm^{-1} at 600 nm	30.46	34.49	36.22	38.66	39.58	38.91	38.84	38.62
k, mm^{-1} at 510 nm	3.70	4.20	4.51	4.78	4.88	4.84	4.93	4.87

Humidity Dependence
(Dosimeters pre-conditioned to the indicated humidity at 20 C)

%RH	34	38	45	50	55	60
k, mm^{-1} at 600 nm	40.44	40.00	39.82	39.41	38.80	37.40
k, mm^{-1} at 510 nm	4.98	4.89	4.85	4.82	4.66	4.51

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