

NPL - Risø HDRL comparison 2008

Dosimeters	NPL	Alanine	Batch
	Risø HDRL	Alanine	64
			AL576A

Arne Miller
Head of Risø HDRL



Irradiation	Sterigenics 10 MeV electron accelerator
Date	2009.02.10

DETAILS OF IRRADIATION										Dose measurement		
Dosimeter type	NPL Batch number	NPL Dosimeter number	NPL Holder type	Start Temp (°C)	End Temp (°C)	Corrected Temp (°C)	Absorbed dose (kGy)	Risø Alanine dosimeter	Risø given dose	Risø/NPL		
Alanine	64	1486	E			18	2.89	1486	2.94	1.017		
Alanine	64	1487	E			22	9.69	1487	9.74	1.005		
Alanine	64	1488	E			26	20.3	1488	20.5	1.010		
Alanine	64	1489	E			30	31.1	1489	31	0.997		
Alanine	64	1490	E			35	46.6	1490	46.8	1.004		
Alanine	64	1491	E			18	2.91	1491	2.94	1.010		
Alanine	64	1492	E			22	9.9	1492	9.74	0.984		
Alanine	64	1493	E			26	20.3	1493	20.5	1.010		
Alanine	64	1494	E			30	30.1	1494	31	1.030		
Alanine	64	1495	E			35	47.1	1495	46.8	0.994		

