



Test Certificate No.0054-25

Antragsteller: Applicant body:	Kemmetech Ltd. 4 Arnold Business Park, Branbridges Road East Peckham, Kent TN12 5LG United Kingdom
Prüfgrundlage: Standard for testing:	IEC/EN 61331-1:2014, IEC/EN 61331-3:2014 mod. broad beam geometry (BBG*) acc. to SGS guidelines and report 2018
Gegenstand: Object:	X-ray protective material
Probenmaterial: Sample type:	4 circular samples Edge Bi-Layer Low Lead 2.0 area each 100 cm ²
Prüfer/in: Examinator:	R. Preis, T. Schriefer
Datum der Prüfung: Date of testing	May. 26, 2025
Geschäftszeichen: Reference No.:	0054-25

Specifications:

Sample ID	Specified LEV (mm Pb)	Area weight Kg/m ² (+-2%)
A	0.25	3,15
B	0.25	3,14
C	0,35	4,42
A+B	0.50	6,29

Note: green side faces detector



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Test results:

attn. ratio kV	Sample ID			
	A	B	C	A+B
60	41,76	42,64	110,21	374,86
70	24,00	24,34	50,51	128,86
90	11,48	11,42	18,88	36,22
110	7,72	7,79	12,09	21,55

LE mm Pb				
kV				
60	0,245	0,250	0,425	0,651
70	0,259	0,262	0,392	0,618
90	0,259	0,259	0,346	0,572
110	0,242	0,244	0,345	0,519
Limit	0,2325	0,2325	0,3255	0,465

Assessment:

The tested X-ray protective samples type Edge Bi-Layer Low Lead meet the specified LE values 0.25/0.35/0.50 mm Pb from 60 to 110 kV

Uncertainty for LEV evaluation: <5%

Lower Limit: specified LEV -7%

Statement:

We are audited by PTB, the National Institute of Standards, and work according to ISO 17025

Head of Laboratory

signature