



**PROTECH LEADED EYEWEAR INC,
DBA PROTECH MEDICAL**

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ATTENUATION RESULTS: STANDARD LEAD

TESTING STANDARD: ASTM 2547-18
MATERIAL TESTED: X-ray Protective Material "Standard Lead"
SAMPLE TYPE: 0.25, 0.35, 0.50, 1.0mm Pb (3 samples of every type)
EXAMINER: R. Preis, Dr. H. Eder
DATE OF TESTING: November 27th, 2018
REFERENCE NO.: #0016-18

ATTENUATION %

AREA WEIGHT SELECTED FROM 3 SAMPLES (+- 3%)	ATTENUATION %					
	TESTING	AL-HVL MM	0.25MM PB	0.35MM PB	0.50MM PB	1.00MM PB
0.25mm - 3.85 kg/m ² 0.35mm - 5.5 kg/m ² 0.50mm - 6.97 kg/m ² 1.00mm - 13.51 kg/m ²	60kV	2.9mm	97.09%	99.04%	99.56%	nn
	70kV	3.3mm	94.64%	97.75%	98.76%	99.91%
	80kV	4.0mm	91.58%	95.81%	97.40%	99.68%
	90kV	4.3mm	88.34%	93.59%	95.71%	99.25%
	100kV	5.2mm	86.26%	92.19%	94.67%	98.98%
	110kV	5.5mm	84.85%	91.32%	94.07%	98.86%
	120kV	6.3mm	83.64%	90.60%	93.58%	98.78%
	130kV	6.7mm	82.47%	89.88%	93.09%	98.71%

The undersigned, being a high level representative of Protech, hereby states that the above x-ray protective materials were taken as a random sampling from Protech's inventory and tested in accordance with industry standard ASTM testing methods.

Signature

President

Title

01/30/19

Date