

Identification:		Rapport de mesurage :	azg [CATPHAN CATPHAN
Institution:	Optimage Institution	Appareil:	not checked
Adresse:	29, Avenue John F. Kennedy L-1855 Luxembourg - Kirchberg	Constructeur:	not checked
Téléphone:	00352 42 59 91 250	Modèle:	not checked
Téléfax:	00352 42 59 91 250	Conditions	Current: 0.0 Institution Name: not checked
Supplément:	This is a default		Kernel: not checked Slice Thickness: 0.0 Station Name: not checked
		Fantôme utilisé:	CATPHAN CATPHAN 500

Paramètre	Valeur	Référence	Tolérance	État
Positioning				
Rotation Angle	0.00 °	-	-	✓
Pixel Size				
Distance from Positioner to Marker Air 1	51.15 mm	2.0 mm	±0.2 mm	✗
Distance from Marker Air 2 to Marker Air 1	50.29 mm	2.0 mm	±0.2 mm	✗
Distance from Marker Air 3 to Marker Air 2	49.80 mm	2.0 mm	±0.2 mm	✗
Distance from Marker Air 3 to Positioner	51.15 mm	2.0 mm	±0.2 mm	✗
CT Numbers				
Air	-991.44 HU	-990.0 HU	±10.0 HU	✓
LDPE	-98.45 HU	-100.0 HU	±0.2 HU	✗
Acryl	119.50 HU	120.0 HU	±0.2 HU	✗
Teflon	942.07 HU	950.0 HU	±10.0 HU	✓
Uniformity				
Maximal Difference	1.20 HU	2.0 HU	±0.2 HU	✗
Noise				
Noise	2.96 HU	2.0 HU	±0.2 HU	✗
Relative Values				
Uniformity %	-0.84 %	2.0 %	±0.2 %	✗
Noise %	-2.07 %	2.0 %	±0.2 %	✗
Slice Thickness				
Ramp 1 Slice Thickness	5.08 mm	2.0 mm	±0.2 mm	✗
Ramp 2 Slice Thickness	5.20 mm	2.0 mm	±0.2 mm	✗
Ramp 3 Slice Thickness	5.02 mm	2.0 mm	±0.2 mm	✗
Ramp 4 Slice Thickness	4.99 mm	2.0 mm	±0.2 mm	✗
average Slice Thickness	5.07 mm	-	-	✓
Incrementation				
Ramp 1 Incrementation	4.94 mm	2.0 mm	±0.2 mm	✗
Ramp 2 Incrementation	5.34 mm	2.0 mm	±0.2 mm	✗
Ramp 3 Incrementation	5.01 mm	2.0 mm	±0.2 mm	✗
Ramp 4 Incrementation	4.51 mm	2.0 mm	±0.2 mm	✗

Paramètre	Valeur	Référence	Tolérance	État
average Incrementation	4.95 mm	2.0 mm	±0.2 mm	✘
Low Contrast				
0.3%				
Contrast: 15mm	0.37 %	-	-	✔
Contrast: 9mm	0.27 %	-	-	✔
Contrast: 8mm	0.34 %	-	-	✔
Contrast: 7mm	0.26 %	-	-	✔
Contrast: 6mm	0.44 %	-	-	✔
Contrast: 5mm	0.35 %	-	-	✔
Contrast: 4mm	0.21 %	-	-	✔
Contrast: 3mm	0.15 %	-	-	✔
Contrast: 2mm	-0.15 %	-	-	✔
0.5%				
Contrast: 15mm	0.46 %	-	-	✔
Contrast: 9mm	0.43 %	-	-	✔
Contrast: 8mm	0.54 %	-	-	✔
Contrast: 7mm	0.48 %	-	-	✔
Contrast: 6mm	0.49 %	-	-	✔
Contrast: 5mm	0.36 %	-	-	✔
Contrast: 4mm	0.31 %	-	-	✔
Contrast: 3mm	-0.07 %	-	-	✔
Contrast: 2mm	0.22 %	-	-	✔
1.0%				
Contrast: 15mm	0.99 %	-	-	✔
Contrast: 9mm	0.97 %	-	-	✔
Contrast: 8mm	0.91 %	-	-	✔
Contrast: 7mm	0.96 %	-	-	✔
Contrast: 6mm	0.87 %	-	-	✔
Contrast: 5mm	0.78 %	-	-	✔
Contrast: 4mm	1.01 %	-	-	✔
Contrast: 3mm	1.09 %	-	-	✔
Contrast: 2mm	0.70 %	-	-	✔
High Contrast Resolution 1				
50% MTF	3.67 lp/cm	2.0 lp/cm	±0.2 lp/cm	✘
10% MTF	7.43 lp/cm	2.0 lp/cm	±0.2 lp/cm	✘
2% MTF	10.08 lp/cm	2.0 lp/cm	±0.2 lp/cm	✘
High Contrast Resolution 2				
50% MTF	3.32 lp/cm	2.0 lp/cm	±0.2 lp/cm	✘
10% MTF	6.51 lp/cm	2.0 lp/cm	±0.2 lp/cm	✘
2% MTF	8.75 lp/cm	2.0 lp/cm	±0.2 lp/cm	✘
Contrast Gamut				
Houndsfield Unit of Plexi	119.50 HU	-	-	✔
Houndsfield Unit of Water	0.98 HU	-	-	✔

Paramètre	Valeur	Référence	Tolérance	État
deviation of Plexi-Water	118.52 HU	-	-	✓
Contrast Gamut	2.02 E-4 1/	-	-	✓

Commentaire:	En conclusion:	
kk	Test failed! The following values are outside of their range: Pixel Size Distance from Positioner to Marker Air 1, Pixel Size Distance from Marker Air 2 to Marker Air 1, Pixel Size Distance from Marker Air 3 to Marker Air 2, Pixel Size Distance from Marker Air 3 to Positioner, CT Numbers LDPE, CT Numbers Acryl,	