

ANNEXURE-1

SCOMET Category / Clause	Category / Clause requirements	Sample no					Least Value Measured in μm	Average value in μm		
		Manufacturing No	1	2	3	4			5	
Category 4 4A002.b.1	"Positioning Accuracy" with all compensations available better (less) than 6 μm according to ISO 230/2 (1988) along any linear axis (Overall positioning)	Measured "A" value of Axis (in μm) & Travel length (in mm)	X Axis	10-Dec-19	11-Jan-20	16-Jul-20	17-Jul-20	10-Aug-20	8.5	9.24
			600mm							
			Y Axis							
			560mm							
			Z Axis							
		Travel length (in mm)	510mm	8.4	9.1	9.0	8.7	9.0	8.4	8.84
			X Axis	2.3	2.4	2.4	2.4	2.1	2.1	2.1
			600mm							
			Y Axis							
			560mm							
Z Axis										
510mm	2.4	2.1	2.2	2.0	2.1	2.0	2.16			
Category 8 8B201.b.1.a	"Unidirectional positioning repeatability" equal to or less (better) than 0.9 μm along one or more linear axis with a travel length less than 1.0 m	Measured "UPR" value of Axis (in μm) & Travel length (in mm)	X Axis	10-Dec-19	11-Jan-20	16-Jul-20	17-Jul-20	10-Aug-20	2.3	2.32
			600mm							
			Y Axis							
			560mm							
			Z Axis							
		Travel length (in mm)	510mm	2.3	2.4	2.9	1.9	2.2	1.9	2.34
			X Axis	2.4	2.1	2.2	2.0	2.1	2.0	2.16
			600mm							
			Y Axis							
			560mm							
Z Axis										
510mm	2.4	2.1	2.2	2.0	2.1	2.0	2.16			