

Acoustical Quantities

Parameter/Range	Frequency	CMC ² (±)	Comments
Sound Level – Generate (94 to 114) dB Measure (84 to 114) dB	(125 to 1000) Hz (50 to 2000) Hz	0.4 dB 0.4 dB	GenRad 1986 Bruel & Kjaer 2610/ 4160
Vibration – Sensitivity Measurement & Frequency Response	(20 to < 100) Hz (0.1 to 1) kHz (> 1 to 10) kHz	1.8 % IV 1.3 % IV 2.8 % IV	Bouche Labs 1000AD/2133F shaker/accelerometer system

Chemical Quantities

Parameter/Equipment	Range	CMC ^{2,6} (±)	Comments
Conductivity	(100 to 100 000) μS	0.3 %	Standard conductivity solutions
pH	(4, 7) pH units 10 pH units	1.2 pH units 1.3 pH units	Standard buffer solutions

Optical Quantities

Parameter/Equipment	Range	CMC ^{2,6} (±)	Comments
Light	(2 to 500) fc	2.7 % IV	Optronic OL 220P
Step Tablets Densitometers	(0.2 to 4) density unit (0.2 to 4) density unit	0.015 density unit 0.015 density unit	NIST SRM 38120C photographic step tablet

Fluid Quantities

Parameter/Equipment	Range	CMC ² (±)	Comments
Specific Gravity	(1.00 to 1.43) SPG	0.0011 SPG	Hydrometer set

Hardness

Parameter/Equipment	Range	CMC ^{2,6} (±)	Comments
Indirect Verification of Rockwell Hardness ³	<p>HRBW: (30 to 59.9) HRBW (60 to 79.9) HRBW (80 to 100) HRBW</p> <p>HRC: (20 to 34.9) HRC (35 to 59.9) HRC (60 to 70) HRC</p>	<p>1.2 HRBW 1.5 HRBW 1.3 HRBW</p> <p>0.75 HRC 0.75 HRC 0.75 HRC</p>	Hardness blocks
<p>Verification of Durometer Spring –</p> <p>Type A, A-2, B, 306L, 1600, O OO, D0, C, PTC 411&412</p>	(10 to 100) Duro Units	$0.15D + 0.6R$	Weight scale