

Testing Equipment: Carpet Chemical Lab

Sl. No	Name of the Equipment	Model/Type/Year of Make	Range/Accuracy
1.	Balance (Electronic)	Mettler Toledo, AG 245	Upto 210 gms/ 0.1 mg
2.	Balance (Electronic)	A&D, HR 300	Upto 310 gms/ 0.1 mg
3.	Spectrophotometer: computer colour matching	Premier colour scan	Spectral Reflectance: Standard deviation within 0.1% (360 to 380 nm: Standard deviation within 0.2%) ΔE value: within 0.04
4	Alfa Xenotester: Light fastness tester ISO 105 B02 method	ATLAS	
5	pH-meter	Mettler Toledo, MP 220	0.00-14.00 ± 0.01
6	Launder-o-meter (8 Jars)	Precision Industries, Delhi	Room temp. to 100 ⁰ C Accuracy : $\pm 2^0$ C
7	Crockmeter	Precision Industries, Delhi	Upto 99 Cycle/ 1Cycle Finger Diameter: 16 mm of 9N Load 32 mm of 22N Load Length of traverse of finger: 100 \pm 3mm
8	Colour Matching Cabinet	Presto	---/---
9	I.R. Oven	Bio Technologies Inc., Gaziabad	Upto 110 ⁰ C/ $\pm 2^0$ C
10.	Hot Air Oven	Thermolab Teknik (WLSL3)	5 to 250 ⁰ C/ $\pm 1.0^0$ C Motor: 1440 rpm Heater: Nichrome wire (1500 W)
11	Water Bath Shaker	Remi; RSB – 12	Upto 99 ⁰ C/--
12.	Soxhlet Extractor	The Indo Sati Instruments & Chemicals, Haryana	Upto 200 ⁰ C/--
13	Conditioning chamber: conditioning of samples	Science Enterprises, Delhi	

14	Muffle furnace BS 4790 – hot metal nut method 16CFR 1630/1631 testing	-	
15	Vacuum oven	Science Enterprises, Delhi	
16	Suction pump	-	
17	Microscope: fibre identification	-	
18	Hot Plate	-	
19	Brookfield Viscometer	-	