

Test Report of Celligo Bio-Sheets

S.no	Name of Test	Testing standards	Remarks	Specification required
1.	Aerobic Biodegradation	ISO 17088-2008	92.41 after 135 days	> 90% (Within 180 days)
2.	Disintegration		7.36 %	Not more than 10%
3.	Plant growth study (Composting)		94.5 to 95 %	>90
4.	Heavy Metal Conc. (Toxicity)		No toxic metals	Well below the specified ppm level.
3.	Centrifuge Retention Capacity (CRC)	WSP 241.3-2011	10.25 g/g	Superior than Cotton (2x) and Wood pulp (7x) <i>Anti-leakage Property</i>
4.	pH of Extract	IS 5405:2019	5.0 to 6.0	Weak Acid Range inhibits Bad bacteria, <i>Safe to skin</i>
5.	Ability of Pads to withstand pressure after absorption	IS 5405: 2019	Absorbed 41 ml of colored liquid within 6 min.	The mean blood loss per menstrual period is 30 ml.
6.	Non-Skin Irritant properties	ISO 10993:23:2021	Zero Rating	Skin friendly
7.	Invitro cytotoxicity - Test on Extract Method	ISO 10993-5:2009	Cell Viability -78-86%	Non-Cytotoxic/ Biocompatible