



## HEAVY METALS STATEMENT

Tessiture Pietro Radici S.p.A. is a company who cares for the environmental issue.

For this reason, we buy and use only raw materials which are basically free of heavy metals.

In particular, we ask our additive master batches suppliers to guarantee that the pigments contained in the master batches are free from heavy metals; this is certified by the MSDS that they issue to Tessiture Pietro Radici S.p.A.

However, in order to further check the quality of our final yarn, Tessiture Pietro Radici S.p.A. asks periodically some external laboratories to carry out specific tests on its yarns. These tests evaluate and measure the incidental presence of traces of heavy metals, since the production process of Radigreen® Yarn does not include any intentional addition of the aforesaid metals.

In particular, we have analyzed the heavy metals which can be leached out from our yarn, in contact with acid water.

In fact, as far as the interaction with human beings is concerned, it is obviously important to measure the quantity of heavy metals which can be extracted from the yarn and made disposable.

The test, following the German norm DIN 18035-7, simulates the external environment where our yarn can find itself, in extreme conditions.

The table below confirms what explained above. It shows the content of heavy metals found out in the acid water and coming from the yarn, as per the norm.

The Radigreen® Yarns listed in the table represent the main families of products, such as Polypropylene/Polyethylene Fibrillated tapes, Polyethylene Monofilament and Monotape.

Heavy metal	Unit	Radigreen® Article Code				Requirements of Norm DIN 18035-7
		00615 PP Fibrillated (6600 dtex)	00387 PE Fibrillated (11000 dTex)	00532 PE Monofilament (11550 dTex)	00674 PE Monotape (10560 dTex)	
Lead (Pb)	[mg/l]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.04
Cadmium (Cd)	[mg/l]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.005
Chrome (Cr) total	[mg/l]	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05
Copper (Cu)	[mg/l]	< 0.01	< 0.01	< 0.01	< 0.01	-
Mercury (Hg)	[mg/l]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.001
Zinc (Zn)	[mg/l]	< 0.1	< 0.1	< 0.1	< 0.1	< 3.0
Tin (Sn)	[mg/l]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05



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