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PAS 9017 Test Specification Report

Job Number	***IMP4710-LR***
Date	***29th March 2021***
Customer:	***Plastico Frances/Polymat Iberica***
Customers Material Reference	***CPP film***
Impact's Identification Number	***MT/GM/6218***
Material Type:	***CPP***
Material Composition	***Sample D: CPP film containing PLMv2.3.2 at 2wt%***
Weathering methodology	***QUV: 1hr UV – 23 hrs dark, 60 ± 2 °C, Irradiance: 0.80 ± 0.02 W/m² UVA at 340 nm, 14 days.***

Evaluation	PAS 9017 Specification	Test Result
		Material D
Polyolefin Product Category	*Annex B*	CPP + Biodegradable Additive
Carbonyl Index	*>1*	1.33
Number Average Molecular Weight (Mn)	*<5,000 Da*	1,900
Higher Weight Average Molecular Weight (Mz)	*<30,000 Da*	5,031
% Loss of Weight Average Molecular Weight (Mw)	*>90%*	98%
Seedling Emergence and Seedling Growth Test [1]	*OECD 208*	**Valid**
***Daphnia magna* Reproduction Test[1]**	*OECD 211*	**Valid**
Earthworm Reproduction Test[1]	*OECD 222*	**Valid**
Soil Biodegradation Testing[2]	*>90%*	**99%**

[1]Results are in accordance with the eco-toxicity requirements of OECD 208, 222, and 211 standards and were carried out at the Research Centre for Toxic Compounds in the Environment (RECETOX) which can be found in the Ecotoxicity Statement provided and in line with the requirements specifies in PAS9017.

[2]Results are in accordance with the requirements in PAS9017 and were carried out at PolyBioAid, in line with ISO 17556, to which the test sample achieved 99 % biodegradation in 336 days. The data can be found in "PolyBioAid report SerpBio-PP-001"

The results show that the CPP film containing PLMv2.3.2 formulation fully meets the requirements of PAS9017:2020.

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