

HemCell Claims

	Test parameters	Requirement	HemCell Tested							
			TUV	AS5810	HemCell claims	GP-PLA	PHA/PHB	BIO PP/ PE	BIO PET	
BioBased	Organic content	> 85%	✓	✓	✓	98 - 99%	✓	✓	30 - 80%	30%
	Carbon based content C14	> 85%	✓	✓	✓	100%	✓	✓	84 - 94%	No
Compostable										
Industrial Composting	60 °C - 70 °C	90%	✓	✓	✓	100%	✓	✓	No	No
Home Composting	20 °C - 30 °C	90%	Pending	Pending	✓	100%	No	✓	No	No
Biodegradable	Disintegration and residu		Pending	Pending	✓		No	✓	No	No
Reusable	Grinding, re-compounding				✓	5 - 30%	✓	No	100%	20 - 30%
Chemical characteristics	No hazardous materials	EN 13432	✓	✓	✓	Pass	✓	✓	Fossile	Fossile
Compost quality	No ecotoxic/ negative effects	90%	✓	✓	✓	100%	✓	Recipe based	Fossile	Fossile
	Ecotoxicity plants and biomass	90%	✓	✓	✓	100-125%	✓	Recipe based	Fossile	Fossile
	Ecotoxicity earth-worms and biomass	90%	✓	✓	✓	160-200%	✓	Recipe based	Fossile	Fossile
	Organic Soil Fertilizer and Urease Inhibitor				✓					
Food Contact	EU and US FDA Compliant	Food contact Substance	✓		✓	OM3	✓	Recipe based	✓	✓
Migration limits	Specific migration heavy metals	EU 10/ 2011 etc	✓		✓	Pass	✓	Recipe based	✓	✓
	Overall migration test OM3 (or)	70°C 2 hours	✓		✓	Pass	✓	Recipe based	✓	✓
	Overall migration test OM3 (or)	100°C 15 mins	✓		✓	Pass	✓	Recipe based	✓	✓