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Registration No. CNAS L0128

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2024-09-20 Expiry Date：2030-10-11

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
I Degradable products						
1	Degradable plastics	1	Biodegradation	Determination of the ultimate aerobic biodegradability and disintegration of plastic materials under controlled composting conditions—Method by analysis of evolved carbon dioxide GB/T 19277-2003	Accredited only for total oganic carbon content used only by total organic carbon analyzer method;total nitrogen content used only	2024-08-13

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					by Kjeldahl and dumas method.Used, Void standard only for GB/T 28018-2011	
				Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions - Method by analysis of evolved carbon dioxide - Part 1: General method GB/T 19277.1-2011	total oganic carbon content used only by total organic carbon analyzer method;total nitrogen content used only by Kjeldahl and dumas method	2024-08-13
				Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions -- Method by analysis of evolved carbon dioxide -- Part 1: General method ISO 14855-1:2012	total oganic carbon content used only by total organic	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					carbon analyzer method;total nitrogen content used only by Kjeldahl and dumas method	
				Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by analysis of evolved carbon dioxide ISO 14852-2021		2024-08-13
				Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium--Method by analysis of evolved carbon dioxide GB/T 19276.2-2003		2024-08-13
		2	disintegration	Plastics — Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test GB/T 19811-2005	Except for: volatile fatty acids of homogeneous samples with fragments less than 10mm; total oganic carbon content used only by total	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					organic carbon analyzer method;total nitrogen content used only by Kjeldahl and dumas method	
				Plastics—Determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test GB/T 41639-2022		2024-08-13
				Plastics — Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test ISO 16929-2021	Except for: volatile fatty acids of homogeneous samples with fragments less than 10mm; total oganic carbon content used only by total organic carbon	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					analyzer method;total nitrogen content used only by Kjeldahl and dumas method	
		3	degree of disintegration	Plastics - determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test ISO 20200:2023		2024-08-13
		4	the ultimate anaerobic biodegradation	Plastics—Determination of the ultimate anaerobic biodegradation under high-solids anaerobic-digestion conditions—Method by analysis of released biogas GB/T 33797-2017		2024-08-13
				Plastics - Determination of the ultimate anaerobic biodegradation under high-solids anaerobic-digestion conditions - Method by analysis of released biogas ISO 15985-2014		2024-08-13
		5	ecotoxicity of Lumbricid Earthworm	standard guide for conducting laboratory soil toxicity or bioaccumulation tests with the Lumbricid Earthworm Eisenia Fetida and the Enchytraeid Potworm Enchytraeus albidus ASTM E1676-12		2024-08-13
2	Degradable plastics		Part of Parameters	Packaging and packaging waste Part 7: Biodegradation and composting GB/T 16716.7-2012	except for: Volatile solids, heavy metals, toxic and hazardous substances. Biodegrada	2024-08-13

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					bility only GB/T 19277.1-2011	
3	degradable disposable tableware		Part of Parameters	General requirement of degradable disposable tableware GB/T 18006.3-2020	Accredited only for Biodegradability,Biodecomposition rate,the degree of disintegration and ecotoxicity. Accredited only for Biodegradability by GB/T 19277.1	2024-08-13
4	compostable plastic		Part of Parameters	Specification for compostable plastic GB/T 28206-2011	Except for: Heavy metals, toxic and harmful substances, Volatile solids,marking and labelling, Accredited	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					only for Biodegradability by GB/T 19277.1；the degree of disintegration of plastic only use GB/T 19811-2005	
5	Degradable plastics		Part of Parameters	Plastics - Specifications for plastics suitable for home composting GB/T 40553-2021	Accredited only for：Biodegradability,ecotoxicity（Plant germination and biomass）and ecotoxicity(Earthworm toxicological effect).Accredited only for	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Biodegradability byGB/T 19277.1-2011method.Accredited only for ecotoxicity(Earthworm toxicological effect) byASTM E1676-12method.	
6	Plastics Designed to be Aerobically Composted		Part of Parameters	Standard Specification for Labelling of Plastics Designed to be Aerobically Composted in Municipal or Industriall Facilities ASTM D6400-23	Except for: Heavy metals, toxic and hazardous substances. Biodegradability used only by ISO 14855-1 method ; Disintegration used only by ISO 16929 method	2024-08-13

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7	Biodegradable plastics products		Part of Parameters	General requirements for biodegradable plastics products DB46/T 505-2020	Accredited only for：Biodegradability，the germination rate and the plant biomass; Biodegradability used only by GB/T 19277.1	2024-08-13
8	Degradable plastics		Part of Parameters	Packaging-Requirements for packaging recoverable through composting and biodegradation-Test scheme and evaluation criteria for the final acceptance of packaging EN 13432:2000	except for: Volatile solids, heavy metals, toxic and hazardous substances; Biodegradability only ISO 14855-1:2012	2024-08-13
9	Degradable plastics		Part of Parameters	Biodegradable plastics-Biodegradable plastics suitable for home composting AS 5810-2010	Accredited only for：Biodegradability,ecotoxicity	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					（Plant germination and biomass）and ecotoxicity(Earthworm toxicological effect). Accredited only for Biodegradability by ISO 14855-1	
10	Degradable plastics		Part of Parameters	Biodegradable plastics - Biodegradable plastics suitable for composting and other microbial treatment AS 4736-2006(+A1)	Accredited only for：Biodegradability,the degree of disintegration ,ecotoxicity（Plant germination and biomass）and ecotoxicity(Earthworm	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					toxicological effect). Accredited only for Biodegradability by ISO 14855-1	
11	Degradable plastics		Part of Parameters	Plastics - Evaluation of compostability - Test scheme and specifications EN 14995：2006（E）	Accredited only for：Biodegradability,the degree of disintegration ,ecotoxicity（Plant germination and biomass). Accredited only for Biodegradability by ISO 14855-1	2024-08-13
12	Degradable plastics		Part of Parameters	Plastics - Specifications for plastics suitable for home composting NF T51-800-2015	Accredited only for：Biodegradability,ecoto	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					xicity （Plant germinatio n and biomass）. Accredited only for Biodegrada bility by ISO 14855-1 method.	
13	Degradable plastics		Partial parameters	Plastics - Organic recycling - Specifications for compostable plastics ISO 17088：2021	Accredited only for aerobic Biodegrada tion,the degree of disintegrati on and ecotoxicity （Plant germinatio n and biomass）; aerobic Biodegrada tion: ISO 14855-1 method only;	2024-08-13

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					Disintegration: ISO 16929 method only	
14	Degradable plastics		Partial parameters	Evoluation method for degradability of disposable paper products GB/T 39951-2021	Accredited only for Biodegradation,the degree of disintegration and ecotoxicity	2024-08-13