

生态环境材料检测服务

产品名称	生态环境材料检测服务
公司名称	绿证（厦门）检测技术有限公司
价格	1.00/项
规格参数	品牌:绿证 型号:生物可降解
公司地址	厦门市同安区舒安里17号502室
联系电话	0592-7019676 18950010807

产品详情

一、您的关注

材料作为社会经济发展的物质基础和先导，对推动人类文明的进程起着及其重要的作用。随着经济和社会的发展，对材料及产品的需求也越来越大。随之而来的在资源利用和开发的技术水平、深度和广度，以及资源效益、经济效益、环境效益上的问题也日益突出。正是在这种背景下，近几年国际上提出并发展了生态环境材料（Eco-Materiel）这一概念，并成为材料科学发展的引领方向和热点前沿之一。相对于传统材料，生态环境材料的显著特质集中于零有害物质、绿色环保、高材料循环性以及高材料效能等四方面。它的发展有助于解决资源短缺、环境恶化等一系列问题，促进社会经济的可持续性发展。

生态环境材料的研发、推广、应用和进出口贸易都涉及到材料的生态环境安全性能的检测和评价。国际上通用的检测内容有材料特性鉴别、生物降解、崩解、生态效应和堆肥质量等五方面。如：ASTM D6400 - 12 Standard Specification for Labeling of Plastics Designed to be Aerobically Composted in Municipal or Industrial Facilities ASTM D6868 - 11 Standard Specification for Labeling of End Items that Incorporate Plastics and Polymers as Coatings or Additives with Paper and Other Substrates Designed to be Aerobically Composted in Municipal or Industrial Facilities EN 13432:2000 Packaging -- Requirements for packaging recoverable through composting and biodegradation -- Test scheme and evaluation criteria for the final acceptance of packaging AS 4736-2006 - Biodegradable plastics - Biodegradable plastics suitable for composting and other microbial treatment

二、我们的服务



序号	项目	分析方法
(一)	特性鉴别	
1	有害物质(重金属)	Zn, Cu, Ni, Cd, Pb, Hg, Cr, Mo, Se, As, F
2	总有机碳含量	ISO 10694:1995 Soil quality -- Determination of organic and total carbon after dry combustion (elementary analysis)
3	挥发性固体	
(二)	生物降解	
4	生物降解	ISO 14855-1:2012 Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions -- Method by analysis of evolved carbon dioxide -- Part 1: General method ASTM D5338 - 11 Standard Test Method for Determining Aerobic Biodegradation of Plastic Materials Under Controlled Composting Conditions, Incorporating Thermophilic Temperatures ISO 17556:2012 Plastics -- Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved
5	厌氧生物降解	ISO 15985:2004/Cor 1:2007 Plastics -- Determination of the ultimate anaerobic biodegradation and disintegration under high-solids anaerobic-digestion conditions -- Method by analysis of released biogas ASTM D5511 - 12 Standard Test Method for Determining Anaerobic Biodegradation of Plastic Materials Under High Solids Anaerobic Digestion Conditions ISO 11734:1995 Water quality -- Evaluation of the "ultimate" anaerobic biodegradability of organic compounds in digested sludge -- Method by measurement of the biogas production
(三)	崩解	
6	崩解(中试)	ISO 16929:2013 Plastics -- Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test
7	崩解(实验室规模)	ISO 20200:2004 Plastics -- Determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test
(四)	生态效应	

8	藻类生长抑制试验	OECD 201 Freshwater Alga and Cyanobacteria, Growth Inhibition Test
9	溞类急性活动抑制试验	OECD 202 Daphnia sp. Acute Immobilisation Test
10	鱼类急性毒性试验	OECD 203 Fish, Acute Toxicity Test
11	蚯蚓急性毒性试验	OECD 207 Earthworm, Acute Toxicity Tests
12	陆生植物生长试验	OECD 208 Terrestrial Plant Test Seedling Emergence and Seedling Growth Test
(五)	堆肥质量	
13	氨氮浓度	TMECC 04.02-C AMMONIUM NITROGEN DETERMINATION
14	氨氮硝酸盐比	TMECC 05.02-C AMMONIUM TO NITRATE RATIO
15	挥发性脂肪酸浓度	TMECC 05.10-A VOLATILE FATTY ACIDS IN COMPOST EXTRACT BY GAS CHROMATOGRAPHY
16	碳氮比	TMECC 05.02-A CARBON TO NITROGEN RATIO
17	耗氧率	TMECC 05.08-A SOUR: SPECIFIC OXYGEN UPTAKE RATE
18	二氧化碳释放率	TMECC 05.08-B CARBON DIOXIDE EVOLUTION RATE
19	外来物质	TMECC 03.08-A CLASSIFICATION OF INERTS
20	重金属	TMECC 04.06 (As, Cd, Cr, Cu, Hg, Ni, Pb, Se, Zn)
21	酸碱度	TMECC 04.11 ELECTROMETRIC pH DETERMINATIONS FOR COMPOST
22	有机物	TMECC 05.07-A ORGANIC MATTER
23	水份	TMECC 03.09-A TOTAL SOLIDS AND MOISTURE
24	病原体	TMECC 07.01-B, TMECC 07.02-A1-2
25	养分含量	TMECC 04.02-A, TMECC 04.03-A, TMECC 04.04-A
26	种子发芽指数	TMECC 05.05 BIOLOGICAL ASSAYS

注：TMECC - Test Methods for the Examination of Composting and Compost (TMECC) (Eds.: W. H. Thompson (Chief Ed.), P. B. Leege, P.D. Millner & M.E. Watson, 2002. The USDA and US Composting Council, USA.)

其他检测服务

序号	项目	分析方法
1	一次性餐饮具	塑料一次性餐饮具通用技术要求GB 18006.1 - 2009
2	材料在特定微生物作用下潜在生物分解和崩解	ISO 846:1997 Plastics -- Evaluation of the action of microorganisms GB/T 19275-2003材料在特定微生物作用下潜在生物分解和崩解能力的评价

三、我们的质量

*材料特性鉴别和堆肥质量指标的检测符合ISO/IEC 17025:2005的质量要求。

*生物降解、生态效应测试项目的测试程序符合良好实验室规范（GLP）的质量标准。