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微谱  
WEIPU

# 检测报告/Test Report

报告编号/ Report No. : WP-21036226-JC-01CnEnR2

样品来源/Sample Origin : 客户送样/ Customer Sample Delivery

百奥诺生物科技(香港)有限公司

客户名称/Client : BioLogiQ Elite (HK) Limited

香港九龍尖沙咀東部嘉連威老道 92 號幸福中心 401B & 403 室

Room 401B & 403, Energy Plaza, 92 Granville

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上海微谱化工技术服务有限公司

Shanghai WEIPU Chemical Technology Service Co., Ltd



## 检测报告/Test Report

下列样品及样品信息由委托方提供及确认/The following sample(s) was/were submitted and identified on behalf of the applicant:

样品名称/Sample Name: 生物聚合物/ Biopolymer

样品描述/Sample Description: 粒子/ Particle

样品型号/Type: CG-1000

颜色/ Color: 透明 Transparent

材质/牌号/ Material/brand : 100%生物基生物聚合物/ 100%plant-based biopolymer

品牌/Material/brand: NuPlastiQ®

### 检测信息/Testing information:

接样日期/Date of Sample Received: 2021-03-18

检测周期/ Testing Period: 2021-03-18~ 2021-05-25

检测要求/Test Item(s): 根据客户要求进行检测/Selected test (s) as requested by client.

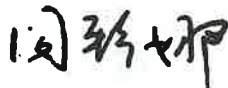
检测依据/Test Criterion: 请参见下一页/Please refer to next page(s).

检测结果/Test Result: 请参见下一页/Please refer to next page(s).

编制/Complied by :



批准/ Approved by :



签发日期/ Issued Date :

2021-06-04

**检测样品描述/Test\_Sample Description:**

<u>序号/Serial</u>	<u>样品名称/Sample Name</u>	<u>样品编号/Sample ID</u>	<u>描述/Description</u>
001	生物聚合物 / Biopolymer	210310525-1	黄色透明颗粒 /Yellow transparent particles

**检测方法和检测仪器/Test method and test instrument:**

<u>检测项目/Test item</u>	<u>检测方法/Test method</u>	<u>检测仪器/Test instrument</u>
生物分解率 /The percentage biodegradation	GB/T 19277.1-2011	降解仪、空压机 /Degradation apparatus, Air compressor

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试验材料: 生物聚合物 /Test material: Biopolymer	参比材料: 薄层色谱级纤维素 /Reference material: TLC grade cellulose	
堆肥来源: 石家庄 /Origin of compost: Shijiazhuang	堆肥肥龄: 3 个月 /Age of compost: 3 months	
试验容器容积: 2.5L /Volume of test vessels: 2.5L		
测定二氧化碳的方法: 用滴定法测定氢氧化钠吸收液中溶解无机碳。 /Method of CO <sub>2</sub> determination: Determination of dissolved inorganic carbon in sodium hydroxide absorption solution by titration.		
<b>1 试验结果/Test results</b>		
	试验材料/Test material	参比材料/Reference material
试验第 45 天试验结束时的生物分解率 /The percentage biodegradation on the 45th day of the test	97.5%	73.0%
试验材料的相对生物分解率 /Relative the percentage biodegradation of test materials	133.6%	
按照客户要求, 依据 GB/T 20197-2006 标准进行判定; 生物分解率的检测结果符合 GB/T 20197-2006 标准的要求。 /According to customer requirements, accordance with GB/T 20197-2006, The result of the percentage biodegradation satisfy GB/T 20197-2006.		
<b>2 试验有效性判定依据/Validity criteria</b>		
2.1 45 天后参比材料的生物分解率是否>70%? /Degree of biodegradation of reference material after 45 days >70% <input checked="" type="checkbox"/> 是/Yes <input type="checkbox"/> 否/No		
2.2 试验结束时不同容器的参比材料的生物分解率的相对偏差是否<20%? /Difference between percentage biodegradation of reference material in the different vessels at end of test <20% <input checked="" type="checkbox"/> 是/Yes <input type="checkbox"/> 否/No		
2.3 试验前 10 天内, 空白容器产生的二氧化碳量的平均值是否在 50mg~150mg CO <sub>2</sub> /g 挥发性固体? /Mean CO <sub>2</sub> production in the blank vessels after 10 days in the range 50mg to 150mg CO <sub>2</sub> /g volatile solids? <input checked="" type="checkbox"/> 是/Yes <input type="checkbox"/> 否/No		

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