Certificate of Analysis(COA)

Applicant	:	**Guangdong Nuojo IM Biotech Co., Ltd.**
Address	:	NO.2, Building 9,Liandong Innovation and Technology Centre, No.2 Guangxin Street, Guangzhou (Qingyuan) Industrial Transfer Park, Shijiao Town, Qingcheng District, Qingyuan City

Report on the submitted sample said to be:

Sample Name	:	Carbon Black
Model/type	:	50g
Appearance	:	Black powder
Odor	:	Odorless
Date of manufacture	:	Jun.20,2024
Amount of Sample	:	100g
Sample Received Date	:	Nov.12,2024
Sample tested Date	:	Nov.12,2024 - Nov.21,2024

Test Requested	**result**
Certificate of Analysis	Refer to next page

Signed for and on behalf of
Shenzhen CDT Testing Technology Co., Ltd

SHENZHEN CDT TESTING TECHNOLOGY CO.,LTD
CDT
Testing Service

Drafted By: Nancyzhang Review By: Jaylin Approved By: Jackeywang

Zhang fei /Nancy
Report writer

Liu yang /Jay
Report Reviewer

Wang hao/ Jackey
Technical Supervisor

Main component and composition analysis:

Material Name	Content(Per 100g)%
Carbon Black	100

Test Method: JY/T 001-1996 & ASTM E1131-08(2014) & EPA 8270D:2014

Test Instrument:

Instrument name	Model	Manufacturer	Internal number	The period of validity of calibration
Fourier transform infrared spectrometer	FTIR Nicolet iS10	Thermo Scientific	EYC-001	2024.05.08
Inductively coupled plasma optical emission spectrometer	ICP 720-ES	Agilent	EYC-044	2024.05.08
Thermogravimetric analyzer	TG 209 F3	NETZSCH	EYC-003	2024.05.08
Gas chromatography and mass spectrometry	GCMS7890B-5975A	Agilent	EYC-005	2024.05.08
Energy dispersive X-ray fluorescence spectrometer	EDX-LE	SHIMADZU	EYC-097	2024.05.08

Test Requested :

Refer to IEC 62321-8:2017 and analyze using gas chromatography-mass spectrometry (GC-MS)

Item	Standard	Test result
Physical & Chemical:		
Appearance	Black powder	Complies
Odor & Taste	Odorless	Complies
Moisture %	＜0.10	0.02
Loss on drying	0	Complies
Total ash	2%	Complies
Bulk Density	≤ 10	2.4
THC(mg/kg)	ND(LOD 4mg/g)	N.D.
CBD(Cannabidiol).	ND(LOD 4mg/g)	N.D.
Coliforms	<0.3mg/g	N.D.
Staphylococcus aureus	<10mg/g	N.D.
Salmonella	<40mg/g	N.D.
Listeria	<25mg/g	N.D.
Heavy Metals:		
Pb	≤ 0.2ppm	＜0.2ppm
As	≤ 0.2ppm	＜0.2ppm
Cd	≤ 0.1ppm	＜0.1ppm
Hg	≤ 0.1ppm	＜0.1ppm

Note:

1.mg/kg = milligram per kilogram = ppm
2.N.D. = Not Detected (< MDL)
3.MDL = Method Detection Limit

Test Requested :

This experiment adopts ISO11737-1:2018 Sterilization of Medical Devices - Microbiological Methods - Part 1: Estimation of the Total Microbial Count on the Product, and conducts an initial contamination bacteria detection test on the test sample.

Microbiological Analysis	Specification Limits	Unit	Results
Coliform	<10mg/g	mg/g	N.D.
E. Coli	<10mg/g	mg/g	N.D.
Staphylococcus	<10 Negative	CFU/gm	＜10 Negative
Salmonella-Bam	<10 Negative	Per 25gm	＜10 Negative
Yeast	<1 ppm	ppm	<0.1
Mold	<1 ppm	ppm	<0.1
Microcystin	<1 ppm	ppm	<0.1

Note:

1.mg/kg = milligram per kilogram = ppm
2.N.D. = Not Detected (< MDL)
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