# Certificate of Analysis(COA)

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|---|---|---|
| **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** | : | 30g |
| **Appearance** | : | Black powder |
| **Odor** | : | Odorless |
| **Date of manufacture** | : | Jun.10,2025 |
| **Amount of Sample** | : | 100g |
| **Sample Received Date** | : | Jun.12,2025 |
| **Sample tested Date** | : | Jun.12,2025 - Jun.18,2025 |

| **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

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|---|---|---|
| Zhang fei /Nancy | Liu yang /Jay | Wang hao/ Jackey |
| Report writer | Report Reviewer | 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 | 2025.01.08 |
| Inductively coupled plasma optical emission spectrometer | ICP 720-ES | Agilent | EYC-044 | 2025.01.08 |
| Thermogravimetric analyzer | TG 209 F3 | NETZSCH | EYC-003 | 2025.01.08 |
| Gas chromatography and mass spectrometry | GCMS7890B-5975A | Agilent | EYC-005 | 2025.01.08 |
| Energy dispersive X-ray fluorescence spectrometer | EDX-LE | SHIMADZU | EYC-097 | 2025.01.08 |

**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:**

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2.N.D. = Not Detected (< MDL)
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※※※※※ **END OF REPORT**※※※※※