



# Nanjing JCNANO Technology Co., LTD

## CERTIFICATE OF ANALYSIS

<b>CAS NO.</b>	<b>115383-22-7</b>	<b>Product Name</b>	<b>Fullerene - C70</b>
<b>Formula:</b>	<b>C70</b>	<b>Formula Weight:</b>	<b>840.749 g/mol</b>
<b>Manufacture Date</b>	<b>2024.3.28</b>	<b>Date of Analysis</b>	<b>2024.03.29</b>
<b>Quantity</b>	<b>100g</b>	<b>Standard</b>	<b>Enterprise Standard</b>
<b>Batch Number</b>	<b>SC24032801</b>		

<b>Item</b>	<b>Specification</b>	<b>Result</b>
<b>Appearance (Color)</b>	<b>Dark brown or Black powder</b>	<b>Black powder</b>
<b>Appearance (Form)</b>	<b>Crystals</b>	<b>Conform</b>
<b>Identification</b>	<b>Elemental analysis Appraisal: Positive</b>	<b>Conform to Composition</b>
	<b>Mass spectrum Appraisal: Positive</b>	<b>Conform to Composition</b>
	<b>Infrared spectrum Appraisal: Positive</b>	<b>Conform to Structure</b>
<b>Purity (HPLC)</b>	<b>≥99%</b>	<b>99.30%</b>
<b>Impurity content</b>	<b>PAH/C50</b>	<b>0.00%</b>
	<b>C70 Oxide</b>	<b>0.00%</b>
	<b>C60 and C60 Oxide</b>	<b>0.70%</b>
	<b>High Fullerenes</b>	<b>0.00%</b>
<b>Residual solvent</b>	<b>≤100ppm</b>	<b>No data available</b>
<b>Conclusion</b>	<b>Analyzed, this product complies with Enterprise Standard</b>	

### COMMENTS AND INSTRUCTIONS

The relevant data shown in this certificate is credible, and the final interpretation right of the product belongs to the JICANG TECH. For further inquiries, please contact Technical Service.

### Purity of C70-99 determined by HPLC

Conditions for analysis:

Column: Buckprep (4.6\*250 mm)

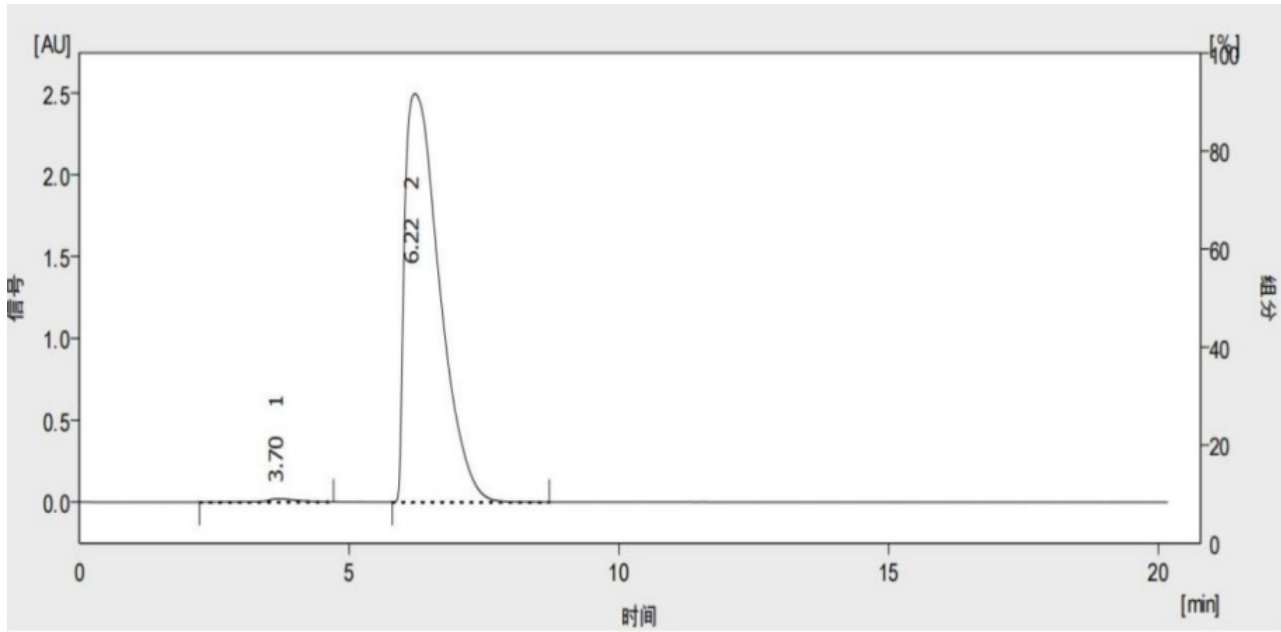
Sample: C70 dissolved in toluene

Mobile phase: 100% toluene

Flow rate: 1.0 mL/min

Detection: 325 nm

Temperature: 24°C



Chromatography of C70-99

Purity of C70-99

No.	Retention time	Name	Purity (/%)	Area
1	3.703		0.7	759.454
2	6.217		99.3	111474.093
Total			100	112233.547

Note: The purity of C70-99 is 99.3%, determined by the ratio total areas.

Quality Inspector: Aaron Yama King

ifier: Abel