CERTIFICATE OF ANALYSIS

Product name:	**Indole-3-Carbinol**		
CAS No.	700-06-1		
Batch Number:	NF-20190220	Manu. Date:	Feb. 20, 2019
Batch Size	500kgs	Expiration Date:	Feb. 19, 2020
Net Weight:	100kgs	Report Date	Feb. 20, 2019
Storage Condition:	Preserve in tight containers at controlled in 4℃. Keep away from strong light and heat.		

Item	**Specification**	**Result**
Appearance	Off-white fine powder	Off-white fine powder
Identification	HPLC, NMR	Conforms
Loss on Drying	≤8.0%	1.20%
Melting point	88℃ ～ 94℃	89.5℃ ～ 90.7℃
Residual on Ignition	≤1.0%	0.46%
Residual Solvents	Ethanol	Negative
	Toluene / Benzene	Negative
	Isopropyl alcohol	Negative
Total Heavy Metals		
Pb	≤5.0ppm	Conforms
As	≤3.0ppm	Conforms
Cd	≤1.0ppm	Conforms
Hg	≤1.0ppm	Conforms
Related substances		
Any other single impurity	≤ 0.8%	Conforms
Total impurities	≤ 2.0%	0.45%
Microbiological limits		
Total Plate Count	≤1000cfu/g	Conforms
Total Yeast & Mold	≤100cfu/g	Conforms
Total Coliforms	Negative	Negative
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative
Assay (HPLC)	98.00%	99.24%
Conclusion:	Conform to In-house specifications.	
Inspector:	Mr. Niu Jicheng	Checker: Mr. Yang Fangchao

