

地址: 上海市张江高科技园区爱迪生路 326 号 邮编: 201203
 Add: No. 326, Edison Rd., Zhangjiang Hi-Tech Park, Pudong
 Shanghai P. R. CHINA Zip: 201203
 电话: 86-21-51320588 传真: 86-21-51320502 URL: www.tautobiotech.com
 Tel: 86-21-51320588 Fax: 86-21-51320502 Email: tauto@tautobiotech.com

CERTIFICATE OF ANALYSIS

Product name:	98% Kavain	Batch Number:	21081341
Botanical Source:	Piper methysticum Forst	Chemical Formula:	C ₁₄ H ₁₄ O ₃
Plant part:	Roots	Manufacture Date:	Aug 13 th .2021
Quantity:	500g	Analysis Date:	Aug 13 th .2021

Item	Standard	Test result	Method
Physical			
Description	White powder	Complies	Visual
Odor&Taste	Inodorous	Complies	Organoleptic
Loss on Drying	≤5.0%	0.1%	Karl Fischer Method
Residual Solvents	≤5000.0ppm	Complies	Ch. P. (2015)
Residual Pesticides	Ch. P. Limits	Complies	Ch. P. (2015)
Chemical			
Purity by HPLC	≥98%	98.3%	HPLC
Content	≥98%	98.1%	External Standard Method
Heavy Metal			
Lead	≤3.0ppm	< 3.0ppm	ICP-MS
Arsenic	≤2.0ppm	< 2.0ppm	ICP-MS
Cadmium	≤1.0ppm	< 1.0ppm	ICP-MS
Mercury	≤0.1ppm	< 0.1ppm	ICP-MS
Total Heavy Metal	≤20.0ppm	< 20.0ppm	ICP-MS
Microbiological Test			
Total Plate Count	≤10,000cfu/g	< 100cfu/g	Ch. P. (2015)
Yeast and Mold	≤100cfu/g	< 10cfu/g	Ch. P. (2015)
E.Coli	Negative	Negative	Ch. P. (2015)
Salmonella	Negative	Negative	Ch. P. (2015)
Storage	In air tight fully filled container in a cool, dark and dry place protected from direct source of heat and sunlight.		
Shelf Life	36 months under the above condition, and in it's original package.		