KINTAI 金泰生物
西安金泰生物技术有限公司
Xi'an Kintai Biotech, Inc.

Certificate of Analysis

Product Name	Valerian Extract	**Botanical Name**	Valerian Officinalis L.
Lot No.	KT20260313	**Batch Quantity**	150 kg
Mfg Date	2026/03/13	**Expiring Date**	2028/03/12
Report Date	2026/03/15	**Country of origin**	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	**Specification**	**Results**	**Test Method**
Assay (Valerenic Acids)	Valerenic Acid ≥0.30%	0.315%	HPLC
	Acetoxyvalerenic acid ≥0.25%	0.426%	HPLC
	Hydroxyvalerenic acid ≥0.030%	0.08%	HPLC
Physical and chemical properties			
Appearance	Brownish-yellow powder	Conforms	Visual
Odor	Characteristic valerian odour, slightly bitter	Conforms	Organoleptic
Particle Size	≥90% Through 80 mesh	Conforms	Sieve Test
Bulk density	0.45g/ml-0.80g/ml	0.56g/ml	USP <616>
Ash content	≤12.0%	4.5%	GB 5009.4
Moisture content	≤5.0%	1.4%	GB 5009.3
Heavy Metals (as Pb)	≤20.0 ppm	0.116 ppm	ICP-MS
Microbiological Quality (Total viable aerobic count)			
Total Plate Count,cfu/g	≤10000 CFU/g	＜10000CFU/g	GB 4789.2
Mold and yeast Count,cfu/g	≤100 CFU/g	＜100CFU/g	GB 4789.15
***Storage Condition:** Store in a cool & dry place, keep away from direct strong and heat.			
***Shelf life:** 2 Years When Stored properly			
***Safety Precaution:** Wearing of protective goggles or safety glasses is recommended.If accidentally instilled into the eyes,immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.			
Conclusion	Confirm to Specifications and European Standards.		

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