



石家庄泛凯化工有限公司
SHIJIAZHUANG FAMECHEM CHEMICAL CO.,LTD

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Certificate of analysis

INVOICE NO.:TTSFC519/23

PO NO.:6627

SAMPLE NAME	L-tryptophan	BATCH NO.	23050401 ✓
QUANTITY	500 KGS	DATE OF MANUFACTURE	2023.05.04 ✓
SPECIFICATION	USP39	RE-TEST DATE:	2025.05.03 ✓
Sampling date:	2023.05.11	Report date:	2023.05.11

ITEM	Standards	RESULT
Appearance	White-like Crystalline powder	Conforms
Specific Rotation	- 29.4° ~ -32.8°	-31.4°
PH	5.5~7.0	5.8
Loss on drying	≤0.30%	0.05%
Residue on ignition	≤0.1%	0.05%
Chloride	≤0.05%	<0.05%
Sulfate	≤0.03%	<0.03%
Iron	≤0.003%	<0.003%
Heavy Metals	≤0.0015%	<0.0015%
Assay(dried basis)	98.5~101.0%	99.3%

Conclusion: This product conforms to USP39 standard.

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刘清河

PROBAP

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