

CERTIFICATE OF ANALYSIS

Product Name:	ETHYL LAUROYL ARGINATE HCL	Batch No.	JL20221107
Cas	60372-77-2	MF Date	Nov. 07, 2022
Packing	25KGS/DRUM	Analysis Date	Nov. 07, 2022
Quantity	500KGS	Expiry Date	May. 06, 2024
ITEM 分析项目	STANDARD 技术指标		RESULT 实测结果
Appearance	White Powder		Conform
Solubility	Freely soluble in water, ethanol, propylene glycol and glycerol		Conform
Specific Rotation	-15.5°~-17.5°(C=2% in MeOH)		-15.5°
Water content	≤5.0%		4.6%
Melting point	50.5-58.5℃		57.6-58.4℃
PH	3.0-5.0(1% aqueous solution)		4.5
Lead	≤1mg/KG		Conform
Arsenic	≤3mg/KG		Conform
Cadmium	≤1mg/KG		Conform
Mercury	≤1mg/KG		Conform
Related substance	Lauric acid ≤5%		0.8%
	Ethyl laurate ≤3%		Not detected
	L-argininel ≤1%		Not detected
	L-arginine ethyl ester ≤1%		Not detected
	N-lauroyl-L-arginine ≤3%		Not detected
Purity(HPLC)	≥97.0%		99.6%
Assay	90.0%~100.0%		96.3%
Conclusion	Qualified		

Analyst: Wen Qian**Quality Assurance Officer: Zhan Peng**