山东八方化工科技有限公司

SHANDONG OCTAGON CHEMICALS LIMITED

CERTIFICATE OF ANALYSIS

Product name	**Ethyl lauroyl arginate hydrochloride (Cas 60372-77-2)**		
Batch No.	251004	Mfg. Date	2025.10.04
Rep. Date	2025.11.24	Retest Date	2027.05.23
Packaging	25/Carton	Batch Quantity	436.7KG
Test Items	Standards: Enterprise		Results
Appearance	White powder		Conforms
Solubility	Freely soluble in water, ethanol, propylene glycol and glycerol		Conforms
Specific Rotation [α]20D	-15.5º ~ -17.5º（C=2% in MeOH)		-15.7º
Water Content	NMT 5.0%		4.9%
Melting Point	50.5 ~ 58.5℃		57.3 ~ 58.5℃
pH	3.0 ~ 5.0 (1% aqueous solution)		4.1
Lead	NMT 1mg/kg		Conforms
Arsenic	NMT 3mg/kg		Conforms
Cadmium	NMT 1mg/kg		Conforms
Mercury	NMT 1mg/kg		Conforms
Purity(HPLC)	NLT 97.0%		99.5%
Assay	90.0% ~ 100.0%		96.3%
Related Substances	Lauric acid: NMT 5%		0.1%
	Ethyl laurate: NMT 3%		ND
	L-arginine: NMT 1%		ND
	L-arginine ethyl ester: NMT 1%		ND
	N-lauroyl-L-arginine: NLT 3%		ND
Conclusion	It meets the requirements of The Standards Above.		
Storage	Preserve in cool and dry place, light resistant containers.		
Reporter: LI			Reviewed By: WEI

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