



峨眉山龙腾

峨眉山市龙腾生物科技有限公司  
Emeishan Longteng Biotechnology Co., Ltd.

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## CERTIFICATE OF ANALYSIS

Name of Product		L-Pyroglutamic Acid	
Batch No.	220401	Manufacture Date	2022/04/10
Test Date	2022/04	Retest Date	2024/04/09
Packaging Specifications	25kg/bag net		
Net Weight	1000kg		
Criteria of Inspection	Enterprise Standard		
<b>Test Items</b>	<b>Standards</b>	<b>Test Results</b>	
<b>【Specific Rotation <math>[\alpha]_D^{20}</math>】</b>	-10.5° to -12.3°	-11.65°	
<b>【Inspect】</b>	Chloride(Cl)	not more than 0.020%	<0.020%
	Sulfate (SO <sub>4</sub> )	not more than 0.020%	<0.020%
	Heavy metals (Pb)	not more than 10ppm	<10ppm
	Iron(Fe)	not more than 20ppm	<20ppm
	Arsenic (As <sub>2</sub> O <sub>3</sub> )	not more than 1ppm	<1ppm
	Other amino acids	conforms	conforms
	Loss on drying	not more than 0.5%	0.22%
	Residue on ignition	not more than 0.2%	0.04%
<b>【Assay】</b>	98.5 to 101.0%	99.5%	
<b>Conclusion</b>	complies with Enterprise Standard		

Inspector: Shen Yun

Reviewer: Liang Xiaoqin

Quality Director: Luo Qiquan