



### Certificate of Analysis

Product name	Levodopa	CAS	59-92-7
Batch no.	20230425	QTY	12000kg
Manufacture date	2023-04-25	Test Date	2023-04-25
Report Date	2023-04-25	Retest date	2024-04-25
Package	25kg/drum	Test method	USP39

Item	Specification	Results
Appearance	White or almost white,crystalline powder	Conforms
Identification	The retention time of main peak obtained in sample solution should be in accordance with retention time of main peak obtained in standard solution.	Conforms
	IR spectrum should be in accordance with spectrum of standard.	Conforms
Assay	98.0%~102.0%	99.7%
Specific rotation	-160.0°~-167.0°	-161.4°
Impurity A	≤0.1%	Conforms
L-Tyrosine	≤0.1%	<0.1%
Impurity B	≤0.5%	Conforms
L-Veratrylglycine	≤0.1%	Conforms
Any unspecified impurity	≤0.1%	Conforms
Total impurity	≤1.1%	<1.1%
Heavy metals	≤20ppm	<20ppm
Loss on drying	≤0.50%	0.12%
Residue on ignition	≤0.1%	0.06%
Conclusion	The test results conform to the enterprise standards.	

Tested by: Meng Xiao

Checked by: Shen Junli

Approved by: He Youguang

