西安子午生物科技有限公司
Xi'an Sonwu Biotech Co.,Ltd.

Certificate of Analysis

Product name	Pramiracetam	**Manufacture date**	Feb.10.2022
Batch number	FQ220210	**Analysis date**	Feb.12.2022
Batch quantity	20kg	**Expiry date**	Feb.10.2024

Items	**Specifications**	**Testing results**
Assay(HPLC)	98.0%-102.0%	99.68%
Appearance	White or off white crystalline powder	Conform
Identification	(1) UV Max 209nm,248nm,267nm,310nm	Conform
	(2)IR Comforms with working reference	Conform
Water(removal of crystal water)	≤1.0%	0.80%
Residue on ignition	≤0.1%	0.07%
Melting point	48~50℃	48.5℃
Heavy metals	≤0.002%	Conform
Total impurities	≤0.5%	0.29%
Conclusion	Conform with specifications	

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer　　Corrector　　Analyst

Xi'an Sonwu Biotech Co.,Ltd. Tel:0086-29-68740251 Fax:0086-29-68740252
Add:No. 11, The South of Tangyan Road Xi'an China Web:www.sonwu.com