

kern enterprisesOur main products include cyanogen bromide, cyanogen chloride, bromo-, chloro-, cyano-, amino-, phosphonates- series intermediates and other special intermediates,



chemical 128



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CERTIFICATE OF ANALYSIS

Product Name	Pramiracetam	Manufacture date	Feb 8, 2018
Batch No.	GD0138781	Test date	Feb 8, 2018
Quantity	100kg	Expiry date	Feb 7, 2020

Testing Items	Specifications	Test Results
Appearance	White to off-white powder	Off-white powder
1HNMR	Conforms to structure	Conforms
LC-MS	Conforms to MW	Conforms
Purity by HPLC	≥99.00%	99.2%
Water	<2.0%	0.4%
Residual solvent	<1.0%	0.2%
Loss on drying	<0.5%	0.1%
Identification	Complies	Complies
Conclusion	This product conforms to in-house standard	

