

CERTIFICATE OF ANALYSIS

Product Name	Pramiracetam	Batch Number	HS181210
Quantity	0.5Kg	Manufacture Date	Dec 10, 2019
CAS NO.	68497-62-1	Expire Date	Dec 09, 2022

Items	Specifications	Results
Appearance	White or off white crystalline powder	Conforms
Identification	(1)HNMR	Conforms
	(2)HPLC,retention time shall conforms to WRS.	Conforms
Water (removal of crystal Water)	$\leq 1.0\%$	0.78%
Residue on ignition	$\leq 0.10\%$	0.05%
Heavy metal	$\leq 10\text{ppm}$	Conforms
Melting point	48~50°C	48.7~49.3°C
Total impurity	$\leq 0.50\%$	0.30%
Assay(HPLC)	98.0-102.0%	99.62%