



Certificate of Analysis

Product Name:	Aniracetam	Batch Number:	Varies
CAS No.	72432-10-1	Manufacture Date:	Varies
Molecular Formula:	C ₁₂ H ₁₃ NO ₃	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (HPLC)		98.0 - 102.0%	99.49 - 99.58 %
Physical	Appearance	White to off-white crystalline powder, odorless	Complies
	Purity (HPLC)	≥ 99.0 %	99.78 - 99.87%
	Chemical reaction	Generate white precipitate	Generate white precipitate
	Melting point	118 - 122°C	119.4 - 121.1°C
	Absorbance	476 - 506	489 - 490
	Loss on drying	≤ 0.5%	0.14 - 0.37%
	¹ HNMR	Conforms to structure	Complies
	Residue on ignition	≤ 0.1%	0.03 - 0.14%
Chemical	Total impurities	≤ 1%	0.13 - 0.22%
	Individual impurity	≤ 0.2%	0.08 - 0.16%
	Ethanol	≤ 0.5 %	0.0098 - 0.21%
	Toluene	≤ 0.089 %	0.0071 - 0.014%
	Heavy metals	≤ 10ppm	Complies
Else	Storage condition	Sealed, kept in shady and dry place	
	Shelf life	Three years	

