

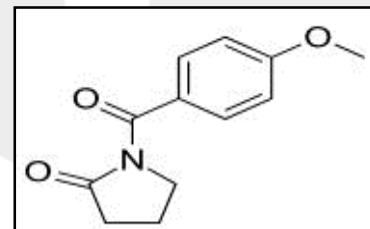
# CERTIFICATE OF ANALYSIS



Product: **Aniracetam 750mg Capsules**  
 IUPAC Name: **1-[(4-Methoxybenzoyl)]-2-pyrrolidinone**

Lot Number: ANICS1022521UK Capsules per Bottle: 60ct  
 Capsule Batch Number: ANICENZ1120VEG Capsule Size/Color/Material: Size 00 Clear Vegetable Capsule  
 Other Ingredients: Silicon Dioxide

Raw Material Batch No: ANI0160820 Appearance: White, fine, free flowing powder  
 CAS: 72432-10-1 Odor: Faint anise  
 Molecular Formula: C<sub>12</sub>H<sub>13</sub>NO<sub>3</sub> Molecular Weight: 219.237 g/mol



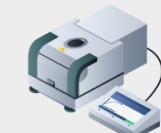
FTIR



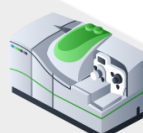
HPLC



MELTING POINT



LOSS ON DRYING



ICP-MS



WATER ACTIVITY

Analysis	Specification	Result	Methodology
Identity	Reference Standard	Conforms	FTIR
Assay	≥ 98% (Dry Basis)	100%	HPLC
Melting Point	Report Only	122°C	MP70 Melting Point System
Loss on Drying	≤5%	1%	Moisture Balance

Heavy Metals	Specification	Result	Methodology
Arsenic	< 0.5 ppm	< 0.2000 ppm	ICP-MS
Cadmium	< 0.5 ppm	< 0.0800 ppm	
Lead	< 0.5 ppm	< 0.0800 ppm	
Mercury	< 0.5 ppm	< 0.0800 ppm	

Microbial Proliferation	Specification	Result	Methodology
All	< 0.73	0.25	Water Activity
Aerobic Plate Count	< 10,000 cfu/g	Conforms	FDA BAM
Yeast and Mold Count	< 1,000 cfu/g	Conforms	
Coliforms	< 100 cfu/g	Conforms	
E. coli	Absent / 10g	Conforms	
Staphylococcus	Absent / 10g	Conforms	
Salmonella spp.	Absent / 25g	Conforms	

