

CERTIFICATE OF ANALYSIS
MELATONIN GRADE POWDER 99%
N-Acetyl-5-methoxytryptamine

Product number: **XPR-1876**
Batch number: **CKL202308**

Manufacturing date: **Jan 01, 2022**
Best before date: **Jan 01, 2025**

Formula : C13H16N2O2

Molecular weight : 238.2 g/mol

CAS Number : 73-31-4

IUPAC Name : N-[2-(5-méthoxy-1H-indol-3-yl)éthyl] éthanamide

	Method	Specification	Result	Unit
1- PHYSICO-CHEMICALS ANALYSIS				
Loss on drying	Eur.Ph	≤ 1	0.2	%
Identification B - Absorption UV	USP	conform	conform	-
Total ashes	Eur.Ph	≤ 1	0.02	%
2 - Actives compounds				
Melatonin content	USP	98,5 to 101,5	99.8	%DM
4 - Microbiology				
Total Aerobic Microbial Count (TAMC)	Eur.Ph (canevas)	< 100	< 10	cfu/g
Total Yeast and Molds Count (TYMC)	Eur.Ph (canevas)	< 10	< 10	cfu/g
Bile tolerant gram negative bacteria	Eur.Ph (canevas)	< 10	< 10	cfu/g
Escherichia coli	Eur.Ph	not detected	not detected	/g
Salmonella	Eur.Ph	not detected	not detected	/25g
5-Contaminants				
Arsenic	ICP-MS	< 0.05	< 0.002	ppm
Plomb	ICP-MS	< 0.5	< 0.005	ppm
Mercure	ICP-MS	< 0.1	< 0.002	ppm
Pesticides / Pesticides	E.P. 2.2.28	Not detected	not detected (<LoQ)	ppm
4 HAPs (Sum)	GC-MS/MS	< 50	0.02	ppb

Net weight : 5 Kg

Packaging : Double polyethylene bag in kraft box

Storage : 36 months in original package, under cool and dry conditions.

Comments:

Status:COMPLIANT

Electronically validated
René Durand
Nov 14, 2023 - 09:05 (UTC)