



CERTIFICATE OF ANALYSIS

MELATONIN F

N-(2-(5-methoxy-1H-indol-3-yl)ethyl)acetamide

BATCH:	0019002853	QUANTITY:	10 KG
MANUFACTURING SITE:	CHIGNOLO D'ISOLA		
MANUFACTURING DATE:	09/27/2019	RETEST DATE:	08/31/2024
CODE MATERIAL:	FC00000019	REF.:	BP
ANALYSIS REF. NO.:	040000006003	SPEC.REV.:	18
CAS NO.:	73-31-4		

TESTS	SPECIFICATIONS	UM	RESULTS	ANALYTICAL METHOD REFERENCES
Aspect	Crystalline powder		Crystalline Powder	
Colour	Ivory to beige		Beige	
Identification (IR)	Must comply		Complies	
Identification (HPLC)	Must comply		Complies	
Solubility (5% w/v ethyl alcohol)	Complete		Complete	
Appearance of solution	Clear, <BY3 EP		Clear, <BY3 EP	Ph.Eur. <2.2.1>
Melting Point	116.0 - 118.5	°C	118.5	
Water Content	<= 0.3	%	0.1	
Assay (HPLC)	98.0 - 102.0	% d.b.	99.5	
Purity (HPLC)	>= 99.0	%	100.0	
Each Unknown Impurity (HPLC)	<= 0.10	%	< 0.05	
5-Methoxytryptamine (HPLC)	<= 0.10	%	< 0.05	
Total Impurities (HPLC)	<= 1.0	%	0.0	
Sulphated Ash	<= 0.1	%	0.0	
Residual Methyl Alcohol	<= 1 000	ppm	< 15	
Residual 2-Propanol	<= 2 000	ppm	376	
Residual Tert Butyl Methyl ether	<= 1 000	ppm	< 16	
Ethyl Acetate (GC)	<= 1 000	ppm	58	

Electronically signed by:

Stefano Gobbato
Quality Control
10/18/2019 - APPROVED

Sergio Fracchia
Qualified Person
11/14/2019 - RELEASED

Printed on 11/18/2019
Document date format: mm/dd/yyyy

ACEF S.P.A. / P.O. 2019 5383