



Certificate of Analysis: Melatonin

Melatonin

Product Code : 1306050

Certificate of Analysis

Version SDS	Date	Conclusion	Written by	Sign
-	2016-12-05	Conform	M.LEVESQUE Quality Insurance	
			Validated by C.CHANE-LAW Quality manager	

Manufacturing

Product name	Melatonin		
Origin	Synthetic		
CAS N°	73-31-4		
EINECS N°	200-797-7		
Molecular mass	32.2783 g/mol		
Molecular formula	C13H16N2O2		
Additives / Carrier	None		
Batch number	O-1306050-161023	Manufacture Date	2016-10
		Best Before Date	2018-10

Properties	Specifications	Results **
Organoleptic		
Appearance	Off-white crystalline powder	Complies
Physical and Chemical **		
Identification	Positive reaction	Complies
Loss on drying	≤ 0.5%	0,07%
Residue on ignition	≤ 0.1%	< 0.1%
Melting point	115 - 120°C	Complies
Clarity and degree of opalescence of liquids	1% ethanol and chloroform solution	ND
Solubility	Soluble in alcohol, slightly soluble in water	ND
Particle size	80 - 120 mesh	Complies
Assay**		
Melatonin	≥ 99.0% by HPLC	99,8%
Microbiological **		
Total Plate Count	≤ 10 000 CFU/g	Complies
Yeast and Mould	≤ 100 CFU/g	Complies
E.coli	Negative	Complies
Salmonella spp	Negative	Complies
Contaminants*/**		
Cadmium	≤ 1 ppm	Complies
Lead	≤ 3 ppm	Complies
Mercury	≤ 0.1 ppm	Complies
Arsenic	≤ 1 ppm	Complies
Shelf life	2 years	
Allergens**	Certified in compliance with Regulation 1169/2011/EC	
Ionisation**	Certified in compliance with Regulation 1999/2/CE & 1999/3/EC.	
TSE/BSE**	Certified in compliance with Regulation 999/2001/EC	
Nanomaterials**	Certified in compliance with Decree 2012/232 & Decree dated August 6th, 2012	
GMO**	Certified in compliance with Regulation 1829/2003/EC & 1830/2003/EC	

*According to a control plan

** Based on our producer's information