



Specification

Concerning Product:	
Article number	35400
Trade name / designation / denomination	Melatonin
CAS number	73-31-4
Other names / synonyms	•Melatonin; •N-(2-(5-methoxyindol-3-yl)ethyl)acetamide;
EC number	200-797-7
Customs tariff number / CN code / TARIC	29379000

Parameter	Specification	Unit
Organoleptic test		
Appearance	white or pale-white crystalline powder	
Physical parameter		
Loss on drying	≤ 0,30	%
UV spectroscopy	positiv	
Identity		
Assay	≤ 99,63	%
Identification	HPLC Test positiv	
Infrared absorption spectrometry	positiv	
Impurities		
Residue on ignition	≤ 0,04	%
Sulphates (SO ₄)	≤ 0,02	ppm
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Chlorides (Cl)	≤ 0,02	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 2	ppm
Microbiological data		
Escherichia Coli.	neg.	
Salmonella	neg.	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 1000	CFU/g

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 03. Jul. 2019

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