



## Specification

Concerning Product:	
Article number	98920TEUL
Trade name / designation / denomination	Vitamin B3, Food Grade
CAS number	98-92-0
Other names / synonyms	*nicotinamide;
EC number	202-713-4
Customs tariff number / CN code / TARIC	29362900
Molecular weight [g / mol]	122,13
Formula	C6H6N2O
<b>Warning</b>	
Causes serious eye irritation. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.	

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance of solution	of 5% solution: Not more intensely coloured than reference solution BY7	
Appearance	White crystalline powder or spherical or granular	
<b>Physical parameter</b>		
Loss on drying	≤ 0,5	%
pH value	5% solution 6,0 – 7,5	
Melting range	128,0 – 131,0	°C
Solubility	Freely soluble in water and in ethanol	
UV spectroscopy	Ratio: A245/A262 0,63 – 0,67	
<b>Identity</b>		
Assay	EP 8.0: 99 – 101	%
Assay	USP 39: 98,5 – 101,5	%
Infrared absorption spectrometry	According to USP and EP	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 30	ppm
Readily carbonizable substances	According to USP	
Sulphated ash	≤ 0,1	%
Related substances	Thin-layer chromatography: According to EP	% [w/w]

### **Supplemental information:**

**Released by manufacturer:** 24.08.2016

**Shelf life:** 3 years from date of production in the unopened original container under recommended storage conditions

**Storage conditions:** Keep in tightly closed original sealed packing in cool, clean and dry place, away from direct sunlight and water

**Complies with monographie:** USP 39, EP 8.0

**Packing:** 25 kg carton with PE-Inliner

**Version of manufacturer:** 2.0

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 12. Sep. 2019

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