



## Specification

Concerning Product:	
Article number	59676VPEULV
Trade name / designation / denomination	Vitamin B3 Nicotinsäure (Niacin) Plv.
CAS number	59-67-6
Other names / synonyms	•3-pyridinecarboxylic acid; •Niacin; •Vitamin B3; •nicotinic acid;
EC number	200-441-0
Customs tariff number / CN code / TARIC	29362900
Molecular weight [g / mol]	123,11
Formula	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>
<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	white crystalline powder	
<b>Physical parameter</b>		
Loss on drying	≤ 1,0	%
Solubility	Soluble in boiling water and boiling alcohol. Sparingly soluble in water.	
<b>Identity</b>		
Assay	(HPLC) 99,0 – 101,0	%
Assay	(Titration) 99,5 – 100,5	%
Identification	B. (UV): 0,46 – 0,50	
Identification	C. (IR): match with Reference standard No.2	
Melting Point (identity)	A.: 234 – 240	°C
<b>Impurities</b>		
Residue on ignition	≤ 0,1	%
Heavy Metals (as Pb)	≤ 20	ppm
Sulphates (SO <sub>4</sub> )	≤ 0,02	%
Impurity	total: ≤ 2	%
Related substances	to comply with EP/USP test	
<b>Elemental Impurities</b>		
Chlorides (Cl)	≤ 200	ppm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 22. Nov. 2019

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